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Federal Trade Commission Report

"TAR", NICOTINE AND CARBON MONOXIDE OF THE SMOKE OF 207 VARIETIES OF DOMESTIC CIGARETTES

JANUARY 1985

REPORT OF "TAR", NICOTINE AND CARBON MONOXIDE OF THE SMOKE OF 207 VARIETIES OF DOMESTIC CIGARETTES

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The Federal Trade Commission's Laboratory has determined the "tar" (dry particulate matter), total alkaloid (reported as nicotine) and carbon monoxide content of 207 varieties of cigarettes. The laboratory utilized the Cambridge filter method with the following specifications as set forth in the Commission's announcement July 31, 1967 and July 10, 1980:

- 1. Smoke cigarettes to a 23mm. butt length, or to the length of the filter and overwrap plus 3mm. if in excess of 23mm.
- 2. Base results on a test of approximately 90 cigarettes per brand, or type.
- Cigarettes to be tested will be selected on a random basis, as opposed to "weight selection".
- 4. Determine particulate matter on a "dry" basis employing the gas chromatography method published by C.H. Sloan and B.J. Sublett in Tobacco Science 9, page 70, 1965, as modified by F.J. Schlutz' and A.W. Spears' report published in Tobacco, vol. 162, no. 24, page 32, date June 17, 1966, to determine the moisture content.
- Determine and report "tar" content after subtracting moisture and alkaloids (as nicotine) from particulate matter.
- Carbon monoxide is determined by nondispersal infrared spectrophotometer.

Concerning the 207 varieties tested, 15 were capable of being smoked to 23mm. The butt length of the other 192 varieties tested ranged from 24.6mm. to an average of between 43.0 to 44.1mm. The butt length of 165 of the 207 varieties tested exceeded 30mm.

The samples used were obtained by attempting to purchase two packages of each variety of cigarettes as distributed by domestic cigarette manufacturers during October 1983 to January 1984 in each of 50 geographic locations throughout the country. Not all varieties were available in each of the 50 geographic locations and in these instances, one or more additional packages of cigarettes were purchased in those geographic locations where respective varieties were available. The samples utilized in the tests were representative of the 207 varieties of cigarettes as available throughout the country at the time of purchase.

In the table listing the cigarette varieties in alphabetical order "tar" and carbon monoxide content is reported to the nearest 0.1 milligram and the nicotine to the nearest 0.01 milligram, each with appropriate statistical values. The average weight is reported in grams per cigarette and the butt length range to the nearest 0.1 millimeter. In all other tables the average weight and butt length columns and the figures representing the standard deviation of the mean have been eliminated. The "tar" and carbon monoxide figures have been rounded to the nearest milligram (0.5 milligrams and greater rounded up, 0.4 milligrams and less rounded down) and the nicotine figures have been rounded to the nearest tenth of a milligram (0.05 milligrams and greater rounded up, 0.04 milligrams and less rounded down). Three tables respectively list varieties in increasing order of "tar" values, in increasing order of nicotine values and in increasing order of carbon monoxide values. Accordingly, "tar", nicotine and carbon monoxide figures in the tables represent rounded off averages without indication of their precision.

It should be noted that cigarette brands with assay results for "tar" and carbon monoxide below 0.5 mg. per cigarette and for nicotine below 0.05 mg. per cigarette are recorded in the accompanying tables with asterisks (*) indicating that they are below 0.5 mg. "tar", 0.05 mg. nicotine and 0.5 mg. carbon monoxide. The tables do not differentiate and no ranking is intended between these cigarettes because the current, approved testing methodology is not sensitive enough to differentiate between cigarettes at these levels.

On April 13, 1983, the Commission announced its determination that its present testing methodology for "tar", nicotine and carbon monoxide does not measure accurately Brown & Williamson's Barclay cigarettes and in fact understates the measured deliveries of these products. Therefore, it announced that until it adopts a new testing methodology that is able to measure Barclay cigarettes, future FTC Tar, Nicotine & Carbon Monoxide Reports will not include test results for Barclay cigarettes. As a result, no test results for Barclay cigarettes are included within this report. At that same time the Commission also found that there was significant likelihood that the same problem (namely, an inaccurate reporting of the "tar", nicotine and CO delivery) existed with respect to Kool Ultra and Kool Ultra 100's, two other brands of cigarettes manufactured

by Brown & Williamson. However, the Commission has not yet reached any conclusion whether Kool Ultra and Kool Ultra 100's are ranked inappropriately. Therefore, two asterisks (**) have been appended to Kool Ultra and Kool Ultra 100's in this report to indicate this continuing controversy.

TESTED CODE TESTO WEIGHT LENGTH DRY CONTENT MONOXIDE TESTO WEIGHT LENGTH DRY CONTENT MONOXIDE TESTO WEIGHT LENGTH DRY CONTENT MONOXIDE TESTO TEST	BRAND ,	TYPE	LNGTH	AVG.	BUTT	TPM	NICOTINE	CARBON
ALPINE F; SP; M 85MM 0,9862 28.0-31,0MM 15.6+0.4 0,95+0.03 14.2+0.5 8ELAIR:100 F; SP; M 05MM 0,9046 32.4-34,7MM 10.0+0.3 0,74+0.02 9.5+0.4 8ELAIR:100 F; SP; M 100MM 1.0729 38.2-40.1MM 10.0+0.3 0,74+0.02 9.5+0.4 8ELAIR:100 F; SP; M 100MM 1.0729 38.2-40.1MM 10.0+0.3 0,74+0.02 9.5+0.4 8ELAIR:100 F; SP; M 100MM 1.0927 32.2-33,4MM 14.8+0.3 1,10+0.03 11.5+0.8 8EMSON 8.4 REDGES 100 F; HP 100MM 1.0927 32.2-33,4MM 14.8+0.3 1,10+0.03 11.5+0.8 8EMSON 8.4 REDGES 100 F; HP, M 100MM 1.1226 34.2-35.8MM 15.8+0.4 1.02+0.02 14.7+0.8 8EMSON 8.4 REDGES 100 F; SP 100MM 1.1236 34.1-39.9MM 15.7+0.4 10.3+0.03 14.5+0.4 8EMSON 8.4 REDGES 100 F; SP 100MM 1.1256 34.1-39.9MM 15.7+0.3 1.03+0.03 15.1+0.4 8EMSON 8.4 REDGES 100 F; SP M 100MM 1.1256 34.1-39.9MM 15.7+0.3 1.03+0.03 15.1+0.4 8EMSON 8.4 REDGES LIGHTS 100 F; SP M 100MM 1.1266 34.1-39.9MM 15.7+0.3 1.03+0.03 15.1+0.4 8EMSON 8.4 REDGES LIGHTS 100 F; SP M 100MM 1.1266 34.1-39.9MM 15.7+0.3 1.03+0.03 15.1+0.4 8EMSON 8.4 REDGES LIGHTS 100 F; SP M 100MM 1.1266 34.1-39.9MM 15.7+0.3 1.03+0.03 15.1+0.4 8EMSON 8.4 REDGES LIGHTS 100 F; SP M 100MM 1.1266 34.1-39.9MM 15.7+0.3 1.03+0.03 15.1+0.4 8EMSON 8.4 REDGES ULTRA LIGHTS F; HP 100MM 0.9846 38.1-39.8MM 9.6+0.2 0.7+0.03 15.1+0.4 8EMSON 8.4 REDGES ULTRA LIGHTS F; HP 100MM 0.9846 38.1-39.8MM 9.6+0.2 0.42+0.01 10.1+0.3 0.52+0.02 7.1+0.4 8EMSON 8.4 REDGES ULTRA LIGHTS F; HP 100MM 0.9866 38.1-39.8MM 9.6+0.2 0.42+0.01 53.3+0.3 0RIGHT F; SP 85MM 0.8878 38.1-39.8MM 9.1-40.0 MM 9.1-40.0 0.52+0.0 0.	TESTED !	CODE	TESTO	WEIGHT	LENGTH	DRY	CONTENT	MONOXIDE
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BELAIR: 00	İ							
BELIAR: 100 F; SP; M 100MM 1,0729 38,3-240,1MM 1,2-10 1,07-0,01 1,5-0,2 BENSON & HEDGES F; HP 70MM 1,0027 32,2-33,4MM 1,2-10 1,07-0,01 1,5-0,2 BENSON & HEDGES 100 F; HP 100MM 1,0027 34,2-25,8MM 15,8-0,4 1,02-0,02 14,7-0.8 BENSON & HEDGES 100 F; HP 100MM 1,0027 34,2-25,8MM 15,8-0,4 1,02-0,02 14,7-0.8 BENSON & HEDGES 100 F; SP 100MM 1,1254 35,8-3,70MM 15,9-0,3 1,04-0,03 14,5-0,4 BENSON & HEDGES 100 F; SP 100MM 1,1254 35,8-3,70MM 15,9-0,3 1,04-0,03 14,5-0,4 BENSON & HEDGES 100 F; SP 100MM 1,1256 34,1-35,9MM 15,7-0,3 1,04-0,03 15,1-0,4 BENSON & HEDGES LICHTS 100 F; SP 100MM 1,1040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES LICHTS 100 F; SP; M 100MM 1,0040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES LICHTS 100 F; SP; M 100MM 1,0040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES LICHTS 100 F; SP; M 100MM 1,0040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES ULTRA LIGHTS F; HP 100MM 1,0040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES ULTRA LIGHTS F; HP 100MM 1,0103 38,0-40,6MM 5,0-0,3 0,40-0,02 5,2-0,4 BENSON & HEDGES ULTRA LIGHTS F; HP 100MM 1,0040 37,8-40,6MM 5,0-0,3 0,40-0,02 5,2-0,4 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,1-0,3 0,52-0,02 7,4-0,5 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,1-0,3 0,52-0,02 7,4-0,5 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,8MM 1,2-0,05 3,0-0,02 7,4-0,05 3,0-0,02 7,4-0,05 3,0-0,02 7	ALPINE !	F; SP; M	85MM	0.9882	28.0-31.0MM	15.6+0.4	0.95+0.03	14.2+0.5
BELIAR: 100 F; SP; M 100MM 1,0729 38,3-240,1MM 1,2-10 1,07-0,01 1,5-0,2 BENSON & HEDGES F; HP 70MM 1,0027 32,2-33,4MM 1,2-10 1,07-0,01 1,5-0,2 BENSON & HEDGES 100 F; HP 100MM 1,0027 34,2-25,8MM 15,8-0,4 1,02-0,02 14,7-0.8 BENSON & HEDGES 100 F; HP 100MM 1,0027 34,2-25,8MM 15,8-0,4 1,02-0,02 14,7-0.8 BENSON & HEDGES 100 F; SP 100MM 1,1254 35,8-3,70MM 15,9-0,3 1,04-0,03 14,5-0,4 BENSON & HEDGES 100 F; SP 100MM 1,1254 35,8-3,70MM 15,9-0,3 1,04-0,03 14,5-0,4 BENSON & HEDGES 100 F; SP 100MM 1,1256 34,1-35,9MM 15,7-0,3 1,04-0,03 15,1-0,4 BENSON & HEDGES LICHTS 100 F; SP 100MM 1,1040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES LICHTS 100 F; SP; M 100MM 1,0040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES LICHTS 100 F; SP; M 100MM 1,0040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES LICHTS 100 F; SP; M 100MM 1,0040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES ULTRA LIGHTS F; HP 100MM 1,0040 37,8-40,8MM 10,1-10,3 0,73-0,03 11,2-0,4 BENSON & HEDGES ULTRA LIGHTS F; HP 100MM 1,0103 38,0-40,6MM 5,0-0,3 0,40-0,02 5,2-0,4 BENSON & HEDGES ULTRA LIGHTS F; HP 100MM 1,0040 37,8-40,6MM 5,0-0,3 0,40-0,02 5,2-0,4 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,1-0,3 0,52-0,02 7,4-0,5 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,1-0,3 0,52-0,02 7,4-0,5 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 85MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,7MM 6,0-0,3 0,62-0,02 7,4-0,05 BENSON & HEDGES ULTRA LIGHTS F; HP 80MM 0,8858 34,1-35,8MM 1,2-0,05 3,0-0,02 7,4-0,05 3,0-0,02 7,4-0,05 3,0-0,02 7	BELAIR.		85MM	0.9046				
BENSON & HEDGES BOD BENSON & HEDGE	BELAIR 100		100MM	1.0729	38.2-40.1MM	8.0+0.3	0.61+0.02	7.5+0.4
BENSON & HEDGES 100 F; HP 100MM 1,0027 32,2-33,4MM 14,8-0.3 1,10-0,03 11,5-6.8 8ENSON & HEDGES 100 F; KP 100MM 1,1228 34,2-35,7MM 16,1-0.4 1,03+0.02 14,7-6.8 8ENSON & HEDGES 100 F; KP 100MM 1,1228 34,2-35,7MM 16,1-0.4 1,03+0.02 14,9-6.6 8ENSON & HEDGES 100 F; KP 100MM 1,1256 34,1-35,9MM 15,7-0.3 1,04+0.03 15,1-0.4 6ENSON & HEDGES 100 F; KP 100MM 1,1040 37,8-6.9 MM 15,7-0.3 1,04+0.03 15,1-0.4 6ENSON & HEDGES LIGHTS 100 F; KP 100MM 1,1040 37,8-6.9 MM 10,1-0.3 0,73+0.03 11,2-0.4 8ENSON & HEDGES LIGHTS 100 F; KP 100MM 1,1180 38,1-39,8MM 9,6-0.2 0,70+0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.5 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.0 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.0 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.0 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.0 0,0-0.3 0,0-0.02 10,1-0.3 0,8-6.0 0,0-0.0 0,	BENSON & HEDGES		7 CMM					1.5+0.2
BENSON & HEDGES 100	BENSON & HEDGES	F: HP	85MM					
BENSON & HEDGES 100 F; SP 100MM 1.1224 34.2-35.7MM 16.1+0.4 1.03+0.03 14.9+0.6 BENSON & HEDGES 100 F; SP 100MM 1.1254 35.8-37.0MM 15.7+0.3 1.03+0.02 15.1+0.4 BENSON & HEDGES 11GHTS 100 F; SP 100MM 1.0140 37.8-0.4 0,00MM 15.7+0.3 1.03+0.02 15.1+0.4 BENSON & HEDGES LIGHTS 100 F; SP 100MM 1.0140 37.8-0.4 0,00MM 15.7+0.3 1.03+0.02 11.2+0.4 BENSON & HEDGES LIGHTS 100 F; SP; M 100MM 1.1180 38.1-39.8MM 9.8-0.2 0.70+0.02 10.1+0.3 0.80+50.04 11.2+0.4 BENSON & HEDGES ULTRA LIGHTS F; HP 100MM 0.9846 38.0-40.0MM 5.2-0.2 0.70+0.02 10.1+0.3 0.80+50.04 11.2+0.4 BENSON & HEDGES ULTRA LIGHTS F; HP; M 100MM 1.0103 38.2-40.0MM 5.2-0.2 0.70+0.02 15.3-0.3 RIGHT 100 F; SP; M 85MM 0.8858 34.1-37.7MM 6.1-0.3 0.52+0.02 7.1+0.4 BENSON & HEDGES ULTRA LIGHTS F; HP; M 100MM 1.0103 38.2-40.0MM 5.2-0.2 0.70+0.01 5.3-0.3 RIGHT 100 F; SP; M 85MM 0.8858 34.1-37.7MM 6.0-0.3 0.52+0.02 7.1+0.4 BENSON & HEDGES ULTRA LIGHTS F; HP; M 100MM 1.0768 39.1-40.0MM 6.0-0.3 0.52+0.02 7.1+0.5 RIGHT 100 F; SP; M 85MM 0.8878 39.1-40.0MM 6.0-0.3 0.52+0.02 7.1+0.5 RIGHT 100 F; SP; M 85MM 0.8878 38.2-39.7MM 6.0-0.3 0.52+0.02 7.4+0.5 RIGHT 100 F; SP; M 85MM 0.8878 38.2-39.7MM 4.7+0.2 0.08+0.01 1.0+0.5 RIGHT 100 R; SP; M 85MM 0.8878 38.2-39.7MM 4.7+0.2 0.08+0.01 1.0+0.5 RIGHT 100 R; SP; M 85MM 0.8878 38.2-39.7MM 4.7+0.2 0.08+0.01 1.0+0.5 RIGHT 100 R; SP; M 85MM 0.9854 27.3-29.2MM 4.7+0.2 0.08+0.01 1.0+0.5 RIGHT 100 R; SP; M 85MM 0.9854 27.3-29.2MM 15.6+0.3 1.07+0.04 12.9+0.4 RIGHT 100 R; SP; M 85MM 0.9854 27.3-29.2MM 15.6+0.3 1.07+0.03 14.8+0.3 RIGHT 100 R; SP; M 85MM 0.9854 27.3-29.2MM 15.6+0.3 1.07+0.0 13.7+0.5 RIGHT 100 R; SP; M 85MM 0.9854 27.3-29.2MM 15.6+0.3 1.07+0.0 13.7+0.5 RIGHT 100 R; SP; M 85MM 0.9854 27.3-29.2MM 15.6+0.3 1.07+0.0 13.7+0.5 RIGHT 100 R; SP; M 85MM 0.9854 27.3-29.2MM 15.6+0.3 1.07+0.0 13.7+0.0 13.7+0.5 RIGHT 100 R; SP; M 85MM 0.9856 37.9-38.1MM 1.05+0.3 1.07+0.0 13.7+0.0 13.7+0.5 RIGHT 100 R; SP; M 85MM 0.9856 37.9-38.1MM 1.09+0.3 1.07+0.0 13.7+0.0 13.7+0.5 RIGHT 100 R; SP; M 85MM 0.9856 37.9-38.1MM 1.09+0.3 1.07+0.0 15.8+0.0 10.09+0.0 13.7	BENSON & HEDGES 100							
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DRIGHT F; SP; M BSMM 0,8858 34,1-35,7MM 6,1+0-3 0,52+0.02 7,4-0-4								
BRIT DURHAM								
BULL DURHAM								
CAMBRIDGE F; HP 85MM 0.8415 34.6-36.0MM 0.8+0.1 0.08+0.01 1.0+0.2 CAMBRIDGE 100 F; SP 100MM 0.9802 38.7-40.1MM 4.7+0.2 0.44+0.02 1.0+0.2 CAMBRIDGE 100 R; SP 100MM 0.9802 38.7-40.1MM 4.7+0.2 0.44+0.02 1.0+0.2 CAMBRIDGE 100 R; SP 70MM 0.8360 23.0MM 21.2+0.5 1.40+0.04 12.9+0.4 CAMBRIDGE 100 R; NF; SP 70MM 0.9802 38.7-40.1MM 4.7+0.2 0.44+0.02 12.9+0.4 CAMBRIDGE 100 R; NF; SP 85MM 0.9554 27.3-29.2MM 16.1+0.3 1.08+0.03 14.3+0.3 CAMBRIDGE 100 R; SP 85MM 0.9554 27.3-29.2MM 15.6+0.3 1.07+0.03 14.3+0.3 CAMBRIDGE 100 R; SP 85MM 0.9557 32.5-34.7MM 8.8+0.3 0.69+0.04 14.3+0.3 CAMBRIDGE 100 R; SP 85MM 0.9577 32.5-34.7MM 8.8+0.3 0.69+0.04 14.3+0.3 CAMBRIDGE 100 R; SP 85MM 0.9577 32.5-34.7MM 8.3+0.3 0.66+0.02 10.1+0.4 CAMBRIDGE 100 R; SP 85MM 0.8333 37.0-41.4MM 8.8+0.3 0.69+0.04 13.7+0.5 CAMBRIDGE 100 R; SP 85MM 0.8333 37.0-41.4MM 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7								
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EVE LIGHTS 120 F; HP 120MM 0.9668 37.1+39.2MM 14.1+0.4 1.08+0.02 11.2+0.6	EVE LIGHTS 120	F; HP	120MM	0.9668	37,1-39,2MM	14,1+0.4	1.08+0.02	11.2+0.6

¹ P-filter; NP-non-filter; M-menthol; R-regular; HP-hard pack; SP-soft pack; NR-millimeter.

² Average weight reported in grams per cigarette.

Range used in butt length because of variance of overwrap. 79M dry (tar) - milligrams total particulate matter less nicotine and water per cigarette.

Total alkaloids reported as nicotine milligrams per cigarette.

Carbon Monoxide reported as milligrams per cigarette.

Tolerance shown is twice the standard deviation.

^{*} Below the sensitivity of the method. ** See statement in text concerning Kool Ultra brands.

BRAND TESTED	TYPE CODE	LNGTH TESTD	AVG. WEIGHT	BUTT LENGTH	TPM DRY	NICOTINE CONTENT	CARBON MONOXIDE
EVE LIGHTS 120 GALAXY HALF & HALF HERBERT TAREYTON ICEBERG 100 KENT KENT KENT 100 KENT 100 KENT GOLDEN LIGHTS KENT GOLDEN LIGHTS KENT GOLDEN LIGHTS 100 KENT GOLDEN LIGHTS 100 KENT GOLDEN LIGHTS 100	F; HP; M	120MM	0,9583	36.5~39.9MM	13,9+0.5	1.06+0.04	11.2+0.5
CALAXV	F: SP	85MM	1,0467	32.6-33.7MM	13,9+0,3	0.89+0.02	13.3+0.3
MALE & HALF	F: 5P	85MM	1.0950	26.4-28.0MM	17,8+0.4	1.28+0.04	17.0+0.4
MEDREDT TADEVION	NF: SP	85MM	1,1500	23.0MM	23,9+0,4	1.50+0.04	15.9+0.3
ICEREDG 100	F: SP: M	100MM	0.9323	34.0-36.5MM	3.5+0.2	0.31+0.01	4,2+0.3
KENT	F; HP	BOMM	0.8883	28.0-29.3MM	12.3+0.4	0.87+0.09	11.5+0.5
KENT	F: SP	B5MM	0.9316	27.7-29.4MM	11.9+0.4	0.91+0.02	10.4+0.4
KENT 100	F; SP	100MM	1,0293	33.9-36.5MM	12.9+0.4	1.01+0.02	10.7+0.6
KENT 100	F; SP; M	1 C O MM	1.0148	34,8-36,6MM	15.3+0.3	1.25+0.03	13.5+0.4
KENT GOLDEN LIGHTS	F; SP	85MM	0.8658	34.1-36.0MM	8.7+0.3	0.75+0.03	9.0+0.4
KENT GOLDEN LIGHTS	F; SP; M	85MM	0.8615	34,3-35.6MM	8.2+0.2	0.69+0.02	7.9+0.4
KENT GOLDEN LIGHTS 100	F; SP	100MM	1,0182	36.6-39.9MM	9.3+0.5	0.84+0.03	9.6+0.6
KENT GOLDEN LIGHTS 100	F: SP: M	100MM	1.0252	37.0-39.0MM	9.1+0.4	0.79+0.03	9,2+0,4
KENT III	F; SP	85MM	0.8437	34.1-35.9MM	2.6+0.2	0.29+0.02	2.2+0.2
KENT III 100	f; SP	100MM	0.9796	37.0-39.0MM	4.1+0.2	0.42+0.01	4.8+0.3
KOOL	R;NF;SP;M	70MM	0.8395	23.0MM	20.2+0.5	1,23+0.04	14.0+0.5
KOOL	F; HP; M	BOMM	0.8872	24.6-27.0MM	15,9+0.4	1.08+0.04	14.6+0.4
KOOL	F; SP; M	85MM	0.9067	28.1-30.5MM	16.3+0.3	1.04+0.03	13.8+0.3
KOOL LIGHTS	F; SP; M	85MM	0.9179	33.3-35.9MM	8.5+0.3	0.65+0.05	9.2+0.3
KOOL LIGHTS 100	F; SP; M	1 0 0 MM	1.0654	34.8-37.0MM	9.0+0.3	0.70+0.03	8.7+0.4
KOOL MILDS	F; SP; M	85MM	0.0888	31.8-34.6MM	10.2+0.4	0.73+0.04	10.7+0.4
KOOL MILDS 100	F; SP; M	100MM	1.0720	39.0-42.1MM	11.2+0.3	0.82+0.03	12.1+1.3
KOOL SUPER LONGS 100	F; SP; M	100MM	1.0525	34.2-35.8MM	14.1+0.3	0.88+0.03	15.3+0.4 0.9+0.2
KOOL ULTRA	F; SP; M	85MM	0.8933	33.4-35,9MM	1.5+0.3	0.13+0.03	2.7+0.4
KOOL UĻTRA 100	F; SP; M	100MM	1.0771	39.7-41.2MM	4.1+0.3 13.4+0.3	0.38+0.03	12.8+0.4
LAM	F; HP	BOMM	0.8388	28.5-30.1MM	13.1+0.4	0.91+0.03	12.5+0.5
M	F; SP	85MM	0.8884 0.9783	32.0~34.1MM 35.9~39.6MM	13.6+0.4	0.98+0.03	13.0+0.4
L & M 100	F; 3P	100MM 85MM	0.9783	32.8-34.0MM	8,0+0.3	0.74+0.03	6.8+0.4
L & M LIGHIS	F: 3P	100MM	0.9530	36.4-39.7MM	8.5+0.3	0.83+0.02	5.1+0.4
L & M LIGHIS 100	F; 3F	85MM	0.9563	32.4-34.6MM	13.9+0.3	0.92+0.02	13.2+0.5
LANK	F; 3F E. 99	100MM	1,1186	37.0-39.0MM	14,9+0.3	0.99+0.03	14.6+0.5
LACK LICHTS	, F; 3F	85MM	0.9708	33.0-35.8MM	12.8+0.3	0.89+0.03	12.1+0.3
LAKK LIUMIS	F. CB	100MM	1.1122	36.8-40.0MM	13.3+0.3	0.97+0.02	13.2+0.3
LAKK LIGHTS IDU	0. NE. SD	70MM	0.8857	23.0MM	23.3+0.6	1.37+0.04	16.4+0.5
LUCKY SIRING	E. MD	BOMM	0.9395	31.8-35.9MM	10.5+0.4	0.77+0.03	10.3+0.4
LUCKY SINING	F; FF	B5MM	0.9231	33.0-35.0MM	10.5+0.3	0.80+0.03	9.9+0.4
LUCKY STRIKE	F; 3F	100MM	1.1325	34.5-36.1MM	10.9+0.3	0.86+0.02	10.2+0.4
MADIBOOV	F. HP	MMUS	0.9311	26.3-28.0MM	16.1+0.3	0.97+0.02	14.0+0.4
MADI RODO	F. SD	85MM	0.9810	37,9-40,0MM	16.0+0.4	1.00+0.03	14.5+0.5
MARI BORO	F. SP. M	85MM	0.9807	28.9-30.7MM	15.6+0.4	0.96+0.03	14.1+0.3
KENT GOLDEN LIGHTS 100 KENT GOLDEN LIGHTS 100 KENT III KENT III 100 KOOL KOOL KOOL KOOL KOOL LIGHTS 100 KOOL MILDS KOOL MILDS KOOL MILDS 100 KOOL SUPER LONGS 100 KOOL ULTRA KOOL ULTRA 100 L & M L & M L & M L & M L & M LIGHTS L & M LIGHTS 100 LARK LARK 100 LARK LIGHTS LARK LIGHTS LARK LIGHTS LARK LIGHTS LOCKY STRIKE LUCKY	F: HP	100MM	1.1183	35.0-36.8MM	16,0+0.3	1.05+0.02	14,4+0.4
MARI BORO 100	F: SP	100MM	1,1325	35.0-36.DMM	16.3+0.4	1.05+0.04	15.0+0.5
MARIBORO FIGHTS	F: HP	85MM	0.9542	34,2-36,0MM	10.1+0.3	0.69+0.02	10.8+0.3
MARI BORO LIGHTS	F: SP	85MM	0.9433	33.9~35.7MM	10.2+0.2	0.68+0.02	10.8+0.4
MARI ARROLL OROR IRA	F; SP	100MM	1,1001	39.1-41.DMM	10.1+0.3	0.71+0.02	11.1+0.3
MARCHANO CIMITA ION				=			

- 1 F-filter; NF-non-filter; N-menthol; R-regular; HP-hard pack; SP-moft pack; NN-millimeter. 2 Average weight reported in grams per cigarette.
- Range used in butt length because of variance of overwrap.
- 4 TPM dry (tar) milligrams total particulate matter less nicotine and water per cigaretts.
- 5 Total alkaloida reported as nicotine milligrams per cigarette.
- & Carbon Monoxide reported as milligrams per cigarette.
- + Tolerance shown is twice the standard deviation.
- * Below the sensitivity of the method.
- ** See statement in text concerning Kool Ultra brands.

BRAND TESTED	TYPE CODE	LNGTH TESTD	AVG. WEIGHT	BUTT LENGTH	TPM DRY	NICOTINE CONTENT	CARBON MONOXIDE
-+	CODE	16210	AC16U1	FEUGIL		COULEU1	*******
MAX 120	F; SP	120MM	1.0100	36.8-38.4MM	18.2+0.3	1,40+0.04	17,2+0.6
MAX 120	F; SP; M	120MM	0.9951	38,0-40.1MM	18.7+0.3	1.44+0.03	17.1+0.6 9.1+0.5
MERIT	F; SP	85MM	0.9769	36.1-37.6MM	7,6+0,3	0.52+0.02 0.54+0.02	9.5+0.5
MERIT	F; SP; M	85MM	0.9917	35.8-36.5MM	7.9+0.3	0.71+0.02	11.8+0.5
MERIT 100	F: SP	100MM	1.1195	37.0-41.3MM	10.3+0.3 9.4+0.4	0.67+0.02	10.6+0.5
MERIT 100	F; SP; M	100MM B5MM	1.1111 0.8956	39.8-41.9MM 35.0-36.8MM	4.9+0.4	0.38+0.03	5.3+0.5
MERIT ULTRA LIGHTS	F; SP F: SP: M		0.9126	34.2-35.8MM	4.7+0.5	0.37+0.02	5.0+0.7
MERIT ULTRA LIGHTS MERIT ULTRA LIGHTS 100	F; SP; M F; SP	85MM 100MM	1,0434	38.5-40.1MM	5.1+0.3	0.43+0.01	6.4+0.5
MERIT ULTRA LIGHTS 100	F; SP: M	100MM	1.0513	38.1-40.2MM	4.1+0.2	0.35+0.02	4.4+0.3
MONTCLAIR	F; SP; M	B5MM	0.9023	25.9-28.2MM	14.7+0.4	0.98+0.03	15.2+0.5
MORE 120	F: SP	120MM	1.0297	43.0-44.1MM	16.8+0.4	1,19+0.03	20.4+0.4
		120MM	1.0375	41.0-42.2MM	16.0+0.3	1.21+0.02	18.8+0.4
MORE LIGHTS 100	F; HP	100MM	0.9140	37.0-38.7MM	8.0+0.4	0.65+0.02	7.7+0.5
MORE LIGHTS 100	F: HP: M	1 DOMM	0.8550	36.0-40.1MM	7.6+0.3	0.61+0.02	8.4+0.4
MULTIFILTER	F; SP	85MM	1.1379	31.0-33.9MM	12.1+0.4	0.77+0.02	10.5+0.4
MULTIFILTER	F: SP: M	85MM	1.1405	32.2-33.9MM	12.2+0.3	0.76+0.02	10.2+0.3
NEWPORT	F; HP; M	B OMM	0.8776	32.0-34.1MM	15.5+0.4	1.14+0.03	15.4+0.4
NEWPORT	F; SP; M	85MM	0.9247	26.9-30.0MM	16.8+0.4	1.21+0.04	17.2+0.5
NEWPORT 100	F: SP: M	100MM	1.0489	34.1-36.2MM	19.5+0.5	1.46+0.04	19.6+0.5
NEWPORT LIGHTS	F; HP; M	BOMM	0.8314	27.6-29.2MM	B.9+0.2	0.72+0.04	9.3+0.4
	F: SP: M	B5MM	0.8914	33, 2-36, 6MM	8.1+0.4	0.70+0.03	8.3+0.5
NEWPORT LIGHTS 100	. F: SP: M	100MM	1.0342	36.7-39.1MM	9.5+0.4	0.83+0.03	9.6+0.6
NEWPORT RED	F: HP	BOMM	0.8834	32.3-34.1MM	12.1+0.5	0.94+0.03	12.5+0.3
NEWPORT RED	Fi SP	85MM	0.9228	32.1-33.8MM	13.7+0.3	1.04+0.03	15.1+0.4
NDW	F: SP: M F: HSP F: HSP F: SP F: SSP	BOMM	0.6918	33.2-35.7MM	*	*	*
NOW	F; SP	BSMM	0.7984	33.4-38.1MM	1,2+0.1	0.11+0.01	1.5+0.2
NOW	F; SP; M	85MM	0.7986	33.9-38.1MM	1.0+0.2	0.09+0.02	1.2+0.2
NOW 100	F. HP	100MM	0.6656	37.9-38.7MM	*	0.07+0.09	*
NOW 100	F: SP	100MM	0.9543	37.8-38.6MM	2.6+0.2	0.27+0.02	2.4+0.3
NOW 100	F; SP; M	100MM	0.9451	36.8-38.7MM	2.0+0.2	0.24+0.02	1.5+0.2
OLD GOLD FILTER	F; SP	85MM	0.9293	26.8-30.4MM	17.2+0.4	1.25+0.04	18.0+0.5
OLD GOLD FILTER 100	F; SP	100MM	1.0573	31.4-39.0MM	20,2+0.4	1.52+0.05	19.8+0.4
OLD GOLD LIGHTS	F; SP	85MM	0.9049	35.1-36.0MM	9.3+0.4	0.82+0.03	10.0+0.4
OLD GOLD STRAIGHT	NF; SP	85MM	0.9924	23.DMM	25.8+0.4	1.63+0.04	16.6+0.4
PALL MALL	NF; SP	_ 85MM	1.0564	23.0MM	23.1+0.6	1.34+0.04	15.5+0.5
PALL MALL	F; SP	85MM	0.9914	25.5-29.2MM	16.7+0.3	1.11+0.03	18.0+0.5
THEE MARK IDO	, ,	100MM	1.1238	34,2-36,1MM	15,4+0.4	1.09+0.03	15,2+0,5
PALL MALL EXTRA LIGHT	f; SP	85MM	0.9793	31.6-35.0MM	7.0+0.4	0,59+0.02	6.7+0.4
PALL MALL LIGHT 100	F; SP	100MM	1.0946	37.5-39.0MM	9.5+0.4	0.75+0.03	8.9+0.4
PALL MALL LIGHT 100	F; SP; M	100MM	1.0150	34,4-35,2MM	12.4+0.3	0.97+0.03	11.4+0.4
PARLIAMENT LIGHTS	F; HP	80MM	0.9659	32.9-34.0MM	8.6+0.2	0.61+0.02	9.2+0.4
PARLIAMENT LIGHTS	f; SP	85MM	1.0092	33.1-34.6MM	8.7+0.3	0.63+0.02	8.5+0.3
PARLIAMENT LIGHTS 100	F; SP	100MM	1.2415	38.6-40.0MM	11.6+0.3	0.83+0.02	10.7+0.4
PHILIP MORRIS	R; NF; SP	7 OMM	0.8474	23.0MM	20.8+0.5	1.24+0.03	11.9+0.4
PHILIP MORRIS COMMANDER	NF; SP	85MM	1.0481	23,0MM	25.7+0.5	1.59+0.04	14.3+0.4

¹ F-filter; NF-non-filter; M-menthol; R-regular; NF-hard pack; SF-soft pack; mm-millimeter.

Average weight reported in grams per cigarette.

Range used in butt length because of variance of overwrap.

TFM dry (tar) - milligrams total particulate matter less nicotine and water per digarette.

notal alkaloids reported as nicotine milligrams per cigarette.

Carbon Monoxide reported as milligrams per cigarette.

Tolerance shown is twice the standard deviation.

Relow the sensitivity of the method.

^{**} See statement in text concerning Kool Ultra brands.

BRAND TESTED	TYPE CODE	LNGTH TESTD	AVG. WEIGHT	BUTT LENGTH	TPM DRY	NICOTINE CONTENT	CARBON MONOXIDE
TESTEV,		15210	WEIGHT	LENGIN	DK T	CUNIENI	MONOVIDE
; r							
PHILIP MORRIS INTERNATIONAL 100	F: MP	100MM	1.1110	34.6-35.7MM	16.8+0.2	1,07+0,02	15,6+0,4
PHILIP MORRIS INTERNATIONAL 100 PICAYUNE PLAYERS PLAYERS PLAYERS PLAYERS 100 PLAYERS 100 RALEIGH RALEIGH RALEIGH LIGHTS 100 RICHLAND RICHLAND RICHLAND SALEM LIGHTS 100 SALEM ULTRA 100 SALEM ULTRA 100 SARATOGA 120 SARATOGA 120 SARATOGA 120 SATIN 100 SILVA THINS 100 SILVA THINS 100 ST. MORITZ 100 TALL 120 TAREYTON 100 TAREYTON LIGHTS TAREYTON LIGHTS TAREYTON LONG LIGHTS 100 TRICHMORL	F: HP: M	100MM	1.1430	34.8-35.2MM	16.7+0.5	1.07+0.03	16.4+0.4
PICAYUNE	R: NF: SP	70MM	0.8577	23.0MM	15.9+0.5	1.00+0.03	12.5+0.7
PLAYERS	R; NF; HP	7 OMM	1.0707	23,0MM	25,4+0,5	1.90+0.04	14.7+0.4
PLAYERS	F; HP	85MM	0.9611	34.2-36.1MM	11.7+0.4	0.80+0.02	11,1+0.3
PLAYERS	F; HP; M	85MM	0.9444	34.0-36.8MM	11.6+0.3	0.79+0.02	10.8+0.4
PLAYERS 100	F; HP	100MM	1.0269	38.8-40.5MM	13.1+0.4	0.89+0.02	12.0+0.5
PLAYERS 100	F: HP: M	100MM	1.0404	38.0~39.9MM	12.9+0.3	0.87+0.03	11.4+0.3
RALEIGH,	NF; SP	85 MM	1.0767	23,0MM	24.6+0.7	1.38+0.05	16.5+0.6
RALEIGH	F; SP	85MM	0,9449	28.4-29.9MM	14.9+0.3	0.89+0.03	16.1+0.5
RALEIGH 100	F; SP	,100MM	1.1306	34.2-36.4MM	16.0+0.4	1.04+0.03	16.5+0.4
RALEIGH LIGHTS	F; SP	85MM	0.9297	32,0-33.8MM	10.4+0.2	0.76+0.02	10,1+0,4
RALEIGH LIGHTS 100	F; SP	100MM	1.1408	38.2-40.1MM	8.9+0.4	0.69+0.02	9.4+0.5
RICHLAND	F; SP	85MM	0.9246	28.3-29.8MM	15.9+0.3	1.05+0.03	13.2+0.4
RICHLAND	F; SP; M	B5MM	0.9129	28.6-29.5MM	15.3+0.4	0.98+0.03	13.4+0.4
SALEN	F: SP: M	85MM	0.9486	27.2-29.5MM	16.0+0.3	1.06+0.03	17.6+0.4
SALEM 100	F; SP; M	1 COMM	1.1247	33.5-35.4MM	16.0+0.4	1.21+0.04	14.9+0.6
SALEM LIGHTS 100	F; SP; M	85MM	0.9384	34.2-35.1MM	9.1+0.3	0.70+0.02	10.7+0.4
SALEM CLIM LICHTS 100	F; SP; M	100MM	1,1248	36.5-38.3MM	9.2+0.3	0.74+0.03	10.8+0.3
SALEM SLIM LIGHTS 100	F; HP; M	100MM	0.8823	37.6-39.0MM	8.1+0.3	0.66+0.02	8.7+0.4
SALEM ULIKA	F; SP; M	BSMM	0.9064	33.0-34.3MM	5.0+0.3	0.43+0.02	6.4+0.4
SACATOCA 120	F; SP; M	MMODI	1.1110	36.2-38.8MM	4.7+0.3	0.42+0.02	5.9+0.4
CABATORA 190	F; HIP; M	120MM 120MM	1.0915	37.1-39.2MM	13.8+0.4	0.94+0.03	13.2+0.6
SATIN IGG	F; NP; ₩ F; SP		1.1067	37.2-38.9MM	14.0+0.3	0.93+0.02	13.5+0.8
SATIN 100	F; SP; M	100MM 100MM	1,0584	35.0-36.5MM	9.9+0.4	0.85+0.03	10.5+0.5
STIVA THING ING	F; SP; M	100mm	1.0530 0.9411	35.1-37.1MM 34.5-37.3MM	9.4+0.3 10.9+0.5	0.82+0.03 0.88+0.04	10.0+0.4 8.5+0.4
STIVE THINS 100	F; SP; M	100mm	0.9418	34.2~36.7MM	10.7+0.3	0.89+0.03	8,3+0.4
SPRING 100	F: SP: M	100mm	1.0843	34.1-36.9MM	18.9+0.3	1.05+0.04	16.3+0.5
ST MORITZ 100	F; SP	100MM	1.0518	35.7-38.3MM	13.7+0.3	1.05+0.03	12.8+0.5
ST MORITZ 100	F; SP: M	100MM	1.0550	35.3-38.0MM	14.3+0.3	1.07+0.04	13.4+0.4
TALL 120	F: SP	120MM	1.1852	36.6-39.0MM	19.8+0.5	1,49+0.03	19.3+0.8
TALL 120	F: SP: M	120MM	1.1856	37.0-39.9MM	16.7+0.8	1,29+0.07	17.5+1.1
TAREYTON	F: SP	85MM	1.0099	25.9-28.7MM	13.1+0.3	0.86+0.03	13.8+0.4
TAREYTON 100	F: SP	100MM	1.1665	33.8-36.2MM	13.5+0.2	0.93+0.03	15.1+0.3
TAREYTON LIGHTS	F; SP	85MM	0.8764	33,3-37,1MM	4.4+0.2	0.36+0.01	4.2+0.2
TAREYTON LONG LIGHTS 100	F; SP	100MM	1.1426	33.9-36.3MM	7.5+0.3	0.62+0.04	7.0+0.4
TRIUMPH	F; SP	85MM	0.8279	34.1-36.0MM	2.9+0.3	0.30+0.02	2.5+0.3
TRIUMPH	F: SP: M	85MM	0.8247	34.1-35.8MM	2.7+0.2	0.30+0.02	2.4+0.3
TRIUMPH 100	F: SP	100MM	0.9700	37.0-39.3MM	4.0+0.2	0.41+0.02	4.5+0.3
TRIUMPH 100	F; SP; M	100MM	0.9682	36.8.39.1MM	3.8+0.4	0.39+0.02	4.2+0.5
TRIUMPH TRIUMPH 100 TRIUMPH 100 TRIUMPH 100 TRUE TRUE TRUE TRUE 100 TRUE 100 VANTAGE	F; SP	85MM	0.8218	31.8-33.8MM	4.8+0.2	0.41+0.02	4.4+0.3
TRUE	F; SP; M	85MM	0.8206	31.9-34.2MM	5.0+0.3	0.42+0.02	4.8+0.3
TRUE 100	F; SP	100MM	0.9851	33.8-36.DMM	7.8+0.3	0.62+0.03	8.5+0.4
TRUE 100	F; SP; M	100MM	0.9757	34.2-36.1MM	7,4+0,3	0.58+0.02	7.8+0.4
VANTAGE	F; SP	85MM	1.0460	32.0-34.2MM	9.7+0.2	0.71+0.02	11.9+0.4
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¹ F-filter: NP-non-filter: M-menthol: R-regular: HP-hard pack; SP-moft pack; mm-millimeter.

Average weight reported in grams per cigarette.

Range used in butt length because of variance of overwrap.

⁴ TPM dry (tar) - milligrams total particulate matter less nicotine and water per cigarette.

⁵ Total alkaloids reported as nicotine milligrams per cigaretts.

⁶ Carbon Monoxide reported as milligrams per cigarette.

^{:+} Tolerance shown is twice the standard deviation.

Below the sensitivity of the method.
 See statement in text concerning Kool Ultra brands.

BRAND TESTED	TYPE CODE	LNGTH TESTD	AVG. WEIGHT	BUTT LENGTH	TPM DRY	NICÒTINE CONTENT	CARBON MONOXIDE
				į.			
VANTAGE	F; SP; M	85MM	1.0723	32.5-34.0MM	9.2+0.4	0,67+0.03	11.9+0.5
VANTAGE 100	F; SP	100MM	1.2160	34.6-38.2MM	9.4+0.3	0.71+0.03	10.5+0.6
VANTAGE 100	F; SP; M	100MM	1.2412	36.9~39.8MM	9,3+0,3	0.72+0.02	10.6+0.4
VANTAGE ULTRA LIGHTS	F; \$P	85MM	0.8910	32,2-34,6MM	4.7+0.2	0.43+0.02	5.9+0.2
VANTAGE ULTRA LIGHTS	F; SP: M	85MM	0.8712	32.7-34.9MM	4.6+0.2	0.40+0.01	5.8+0.3
VANTAGE ULTRA LIGHTS 100	F: 5P	100MM	1.0656	36.1-38.2MM	5.0+0.2	0.45+0.02	5.7+0.4
VANTAGE ULTRA LIGHTS 100	F; SP; M	100MM	1.0236	35.4-39.2MM	5.1+0.2	0.44+0.03	6.8+0.4
VICEROY	F: SP	85 MM	0.9059	28.3-30.1MM	16.2+0.3	0.94+0.03	15.7+0.5
VICEROY RICH LIGHTS	F; SP	85MM	0.9179	32.1-34.3MM	9.9+0.3	0.74+0.02	9.6+0.3
VICEROY RICH LIGHTS 100	F: SP	100MM	1.0851	39.0-41.1MM	10.5+0.4	0.78+0.02	11.3+0.4
VICEROY SUPER LONG 100	F SP	100MM	1.0776	33.6-36.5MM	14.3+0.3	0.94+0.03	16,1+0,4
VIRGINIA SLIMS 100	F: 5P	100MM	0.9500	34.5-36.3MM	14.3+0.4	0.93+0.02	12.3+0.4
VIRGINIA SLIMS 100	F: SP: M	100MM	0.9428	33,2-36,3MM	14.5+0.3	0.94+0.03	12,9+0.4
VIRGINIA SLIMS LIGHTS 100	F: HP	100MM	0.9672	39.0-40.4MM	7.7+0.4	0.57+0.03	7.4+0.4
VIRGINIA SLIMS LIGHTS 100	F; HP; M	100MM	0.9677	38.7-39.7MM	7.8+0.4	0.56+0.02	7.5+0.4
WINSTON	F: HP	80MM	0.9222	25.1-27.3MM	16.1+0.4	1.07+0.04	14.5+0.4
WINSTON	F: SP	85MM	0.9979	26.9-29.5MM	15.8+0.4	1.06+0.03	14.7+0.3
WINSTON 100	F: SP	1 DOMM	1.1219	34.1-36.1MM	16.5+0.4	1.20+0.04	15.8+0.4
WINSTON INTERNATIONAL 100	F HP	LOOMM	1.0528	34.2-35.6MM	15.5+0.4	1.10+0.03	13.5+0.4
WINSTON LIGHTS	F: SP	85MM	0.9448	32.8-34.9MM	8.4+0.3	0.65+0.02	9.3+0.3
WINSTON LIGHTS 100	F; SP	1 OOMM	1.1306	36.0-38.9MM	11.5+0.3	0.83+0.02	13.1+0.5
WINSTON ULTRA LIGHTS	F: SP	85MM	0.8818	33,4-35.6MM	4.8+0.2	0.42+0.01	6.5+0.3
WINSTON ULTRA LIGHTS 100	F; SP	100MM	1.0857	36.0-38.8MM	5.3+0.3	0.45+0.02	6.6+0.5

3 Range used in butt length because of variance of overwrap.

¹ P-filter: NF-non-filter; N-menthol; R-regular; HP-hard pack; SP-moft pack; mm-millimeter.
2 Average weight reported in grams per cigarette.

⁴ TPM dry (tar) - milligrams total particulate matter less nicotine and water per cigarette.
5 Total alkaloids reported as nicotine milligrams per cigarette.

⁶ Carbon Monoxide reported as milligrams per cigarette.

<sup>Tolerance shown is twice the standard deviation.
Below the sensitivity of the method.</sup>

^{**} See statement in text concerning Roof Ultra brands.

BRANDS OF DOMEST!	CO CONTENT OF TWO HUNDRED SEVEN IC CIGARETTES TESTED BY FTC METHOD Ling Order of Tax)		1NE 2	**************************************
NAME	KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; (HARD PACK) REG SIZE; FILTER; (HARD PACK) KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER LOOMM; FILTER; MENTHOL	TAR 1	NICOTINE	CARBON MONOXT DE
CAMBRIDGE	KING SIZE; FILTER; (HARD PACK)	*	*	*
CARLTON	KING SIZE; FILTER; (HARD PACK)	*	*	*
CARLTON 100	100MM; FILTER; MENTHOL; (HARD PACK)	*	*	*
NOW	KING SIZE; FILTER; (HARD PACK)	*	*	*
NOW 100 .	100MM; FILTER; (HARD PACK)	*	0.1	*
BENSON & HEDGES	REG SIZE; FILTER; (HARD PACK)	1.	0.1	2
CAMBRIDGE	KING SIZE; FILTER	1	0.1	1
CARLTON	KING SIZE; FILTER	1	0.1	2
CARLTON	KING SIZE; FILTER; MENTHOL	1	0.1	1
CARLTON 100	100MM; FILTER; (HARD PACK)	1	0.1	*
NOW	KING SIZE; FILTER	1	0.1	2
NOW	KING SIZE; FILTER; MENTHOL	1	0.1	1
KOOL ULTRA**	KING SIZE; FILTER; MENTHOL	2	0.1	1
NOW 100	100MM; FILTER; MENTHOL	2	0.2	1
KENT III	KING SIZE; FILTER	3	0.3	2
NOW 100	100MM; FILTER	3	0.3	2
TRIUMPH	KING SIZE; FILTER	3	0.3	3
TRIUMPH	KING SIZE; FILTER; MENTHOL	3	0.3	2
DORAL II	KING SIZE; FILTER	4	0.4	3
DORAL II	KING SIZE; FILTER; MENTHOL	4	0.4	3
ICEBERG 100	100MM; FILTER; MENTHOL	4	0.3	4
KENT III 100	100MM; FILTER	4	0.4	2
KOOL ULTRA 100 m	100MM; FILTER; MENTHOL	4± A	0.4	A
MERIT ULTRA LIGHTS 100	TOUMM; FILTER; MENTHOL	4	0.4	4
TAREYTON LIGHTS	RING SIZE; FIDIER	4	0.4	¥ 5
TRIUMPH 100	100mm; Fibler	4	0.4	J
TRIUMPH 100	100MM; FILTER; MENTHOL 100MM; FILTER; (HARD PACK)	*	0.4	5
DENSON & DEDGES UDIRA DIGHT	100MM; FIDIER; (MARD FACE)	5	0.4	5
CYMBBIDCE 100 DENSON & MEDGES OFICK FIGHT	100MM; FILTER; MENTHOL; (HARD PACK)	5	D 4	5
CAMPAIDGE IOO	100mm; Fibres	5	0.4	6
CARLION 100	IOOMM. FILTER MENTHOL	5	0.4	6
MEDIT HITTER LICETTE	100MM; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; MENTHOL	5	0.4	5
MERIT OBIRA BIGHTS	KING SIZE: FILTER: MENTHOL	5	0.4	5
MERIT ULTRA LIGHTS 100	100MM; FILTER	5	0.4	6
SALEM ULTRA	KING SIZE; FILTER; MENTHOL		0.4	6
SALEM ULTRA 100	100MM; FILTER; MENTHOL	-	0.4	6
TRUE	KING SIZE; FILTER		0.4	4
TRUE	KING SIZE; FILTER; MENTHOL		0.4	5
VANTAGE ULTRA LIGHTS	KING SIZE; FILTER		0.4	6.
VANTAGE ULTRA LIGHTS	KING SIZE; FILTER; MENTHOL		0.4	
VANTAGE ULTRA LIGHTS 100	100MM; FILTER		0.5	
VANTAGE ULTRA LIGHTS 100	100MM; FILTER; MENTHOL		0.4	

 [&]quot;Ter" - milligrams total particulate matter less nicotine and water per digarette.
 Nicotine total alkaloids reported in milligrams per digarette.
 Carbon Monoxide reported in milligrams per digarette.
 Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per digarette.
 See statement in text concerning Rool Ultra brands.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD

!(Incre	asing Order of Tax)		W.	
BRAND	TYPE	· •-	NTCOTTNE	CARBON
NAME		TAR	5	38
UINCHON HIMDA LICHMO	KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 120MM; FILTER 120MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER	-	- E	3
WINSTON OFTEN FIGHTS 100	NING SIZE; FILTER	5	0.4	6 7
BRIGHT	KING SIZE: FILTER: MENTUOL	2	0.5	7
BRIGHT 100	100MM · FILTER · MENTHOL	2	0.5	7
CARLTON 120	120MM· FILTER	7	0.5	5
CARLTON 120	120MM: FILTER: MENTHOL	7	0.6	5
PALL MALL EXTRA LIGHT	KING SIZE: FILTER	7	0.6	7
TAREYTON LONG LIGHTS 100	100MM: FILTER	7	0.6	ż
TRUE 100	100MM: FILTER: MENTHOL	7	0.6	Ŕ
BELAIR 100	100MM; FILTER; MENTHOL	8	0.6	7
CAMEL LIGHTS	KING SIZE; FILTER	8	0.7	10
KENT GOLDEN LIGHTS	KING SIZE; FILTER; MENTHOL	8	0.7	8
KOOL LIGHTS	KING SIZE; FILTER; MENTHOL	8	0.7	9
L & M LIGHTS	KING SIZE; FILTER	8	0.7	7
L & M LIGHTS 100	100MM; FILTER	8	0.8	6
MERIT	KING SIZE; FILTER	8	0.5	9
MERIT	KING SIZE; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK)	8	0.5	10
MORE LIGHTS 100	100MM; FILTER; (HARD PACK)	8	0.6	8
MORE LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)	8	0.6	8
NEWPORT LIGHTS	KING SIZE; FILTER; MENTHOL	8	0.7	8
SALEM SLIM LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)	8	0.7	9
VIRGINIA SLIMS LIGHTS 100 VIRGINIA SLIMS LIGHTS 100	100MM; FILTER; (HARD PACK)		0.6	
VIRGINIA SLIMS LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)	8	0.6	8
WINSTON LIGHTS	KING SIZE; FILTEK	Ď	0.7	9
CENTURY LICUME	RING SIZE; FILTER; (MARD PACK)	9	0.7	וו
WINSTON LIGHTS CAMEL LIGHTS CENTURY LIGHTS KENT GOLDEN LIGHTS KENT GOLDEN LIGHTS 100	RING SIZE; FIWIER	9	0.7	<u> </u>
KENT COLDEN LIGHTS 100	AING SIZE; FILIER	9	0.0	ות חו
KENT COLDEN LICHTS 100	100mm; FILTER MENTHOL	٥	0.0	TO
KOOL LICHTS 100	100MM FILTER MENTHOL	á	0.7	á
MERIT 100	100MM· FILTER: MENTHOL	ģ	0.7	าา
NEWPORT LIGHTS	KING SIZE: FIL: MENTHOL: (HARD PACK)	á	0.7	- 9
OLD GOLD LIGHTS	KING SIZE: FILTER	9	0.8	10
PALL MALL LIGHT 100	100MM: FILTER	9	0.7	9
PARLIAMENT LIGHTS	KING SIZE: FILTER: (HARD PACK)	9	0.6	9
PARLIAMENT LIGHTS	KING SIZE; FILTER	9	0.6	9
RALEIGH LIGHTS 100	100MM; FILTER	9	0.7	9
SALEM LIGHTS	KING SIZE; FILTER; MENTHOL	9	0.7	11
SALEM LIGHTS 100	100MM; FILTER; MENTHOL	9	0.7	11
SATIN 100	100MM; FILTER; MENTHOL	9	0.8	10
VANTAGE	KING SIZE; FILTER; MENTHOL	9	0.7	12
VANTAGE 100	KING SIZE; FILTER KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER	9	0.7	11

 [&]quot;Par" - milligrams total particulate matter less micotine and water per cigaretts.
 Nicotine total alkaloids reported in milligrams per cigaretts.
 Carbon Nonoxide reported in milligrams per cigaretts.
 Indicates "tar" below 0.5 mg.; micotine below 0.05 mg. or carbon monoxide below 0.5 mg. per cigaretts.
 See statement in text concerning Mool Ultra brands.

	IC CIGARETTES TESTED BY FTC METHOD ::sing Order of Tax)	w •n
	TYPE	물 동원
BRAND	TIPE	- 6 % S
NAME		TAR 1 NICOTINE CARBON HONOXIDE
VANTAGE 100	100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; (HARD PACK) 100MM; FILTER MENTHOL KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL	9 0.7 11
BELAIR	KING SIZE; FILTER; MENTHOL	10 0.7 9
BENSON & HEDGES LIGHTS 100	100MM; FILTER	10 0.7 11
BENSON & HEDGES LIGHTS 100	100MM; FILTER; MENTHOL	10 0.7 10
KOOL MILDS	KING SIZE; FILTER; MENTHOL	10 0.7 11
LUCKY STRIKE	KING SIZE; FILTER	10 0.8 10
MARLBORO LIGHTS	KING SIZE; FILTER; (HARD PACK)	10 0.7 11
MARLBORO LIGHTS	KING SIZE; FILTER	10 0.7 11
MARLBORO LIGHTS 100	100MM: FILTER	10 0.7 11
MERIT 100	100MM; FILTER	10 0.7 12
NEWPORT LIGHTS 100	100MM; FILTER; MENTHOL	10 0.8 10
RALEIGH LIGHTS	KING SIZE; FILTER	10 0.8 10
SATIN 100	100MM; FILTER	10 0.9 11
VANTAGE	KING SIZE; FILTER	10 0.7 12
VICEROY RICH LIGHTS	KING SIZE; FILTER	10 0.7 10
CAMEL LIGHTS 100	100MM; FILTER	11, 0.8 14
KOOL MILDS 100	100MM; FILTER; MENTHOL '	11 0.8 12
LUCKY STRIKE	KING SIZE; FILTER; (HARD PACK)	11 0.8 10
LUCKY STRIKE 100	100MM; FILTER	11 0.9 10
SILVA THINS 100	100MM; FILTER	11 0.9 9
SILVA THINS 100	100MM; FILTER; MENTHOL	11 0.9 8
VICEROY RICH LIGHTS 100	100MM; FILTER	11 0.8 11
WINSTON LIGHTS 100	100MM; FILTER	11 0.8 13
EVE LIGHTS 100	100MM; FILTER	12 0.9 9
EVE LIGHTS 100	100MM; FILTER; MENTHOL	12 0.9 9
KENT	KING SIZE; FILTER; (HARD PACK)	12 0.9 11
KENT	KING SIZE	12 0.9 10
MULTIFILTER	KING SIZE; FILTER	12 0.8 10
MULTIFILTER	KING SIZE; FILTER; MENTHOL	12 0.8 10
NEWPORT RED	KING SIZE; FILTER; (HARD PACK)	12 0.9 13
PALL MALL LIGHT 100	100MM; FILTER; MENTHOL	12 1.0 11
PARLIAMENT LIGHTS 100	100MM; FILTER	12 0.8 11
PLAYERS	KING SIZE; FILTER; (HARD PACK)	12 0.8 11

KING SIZE; FILTER; MENTHOL

KING SIZE; FILTER; (HARD PACK)

100MM; FILTER; (HARD PACK) 13 0.9 12 100MM; FILTER; MENTHOL; (HARD PACK) 13 0.9 11

KING SIZE: FILTER

KING SIZE; FILTER

KING SIZE; FILTER

KING SIZE; FILTER

100MM; FILTER

100MM; FILTER

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN

PLAYERS

DORADO KENT 100

L & M

L & M

LARK LIGHTS

PLAYERS 100 PLAYERS 100 TAREYTON

LARK LIGHTS 100

12 0.8 11

13 0.9 12

13 1.0 11

13 0.9 13

13 0.9 13

13 0.9 12

13 1.0 13

13 0.9 14

^{1 &}quot;Ter" - milligrams total particulate matter less micotine and water per digerette.

² Ricotine total alkaloids reported in milligrams per digarette.
3 Carbon Monoxide reported in milligrams per digarette.
4 Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per digaretts.

	D CO CONTENT OF TWO HUNDRED SEVEN	
BRANDS OF DOMEST	IC CIGARETTES TESTED BY FTC METHOD	m m
(Incre	using Order of Tax)	TAR 1. MICOTINE 2 CARBON MONOXIDE
BRAND	TYPE	F 88
NAME	TYPE	£ 5. 2\$
	TYPE 100MM; FILTER KING SIZE; FILTER 120MM; FILTER; (HARD PACK) 120MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER 120MM; FILTER; (HARD PACK) 120MM; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER KING SIZE; FILTER; (HARD PACK) 100MM; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER; MENTHOL	. 2
TAREYTON: 100	100MM; FILTER	13 0.9 15
CENTURY	KING SIZE; FILTER	14 0.9 16
EVE LIGHTS 120	120MM; FILTER; (HARD PACK)	14 1.1 11
EVE LIGHTS 120	120MM; FILTER; MENTHOL; (HARD PACK)	14 1,1 11
GALAXY	KING SIZE; FILTER	14 0.9 13
KOOL SUPER LONGS 100	100MM; FILTER; MENTHOL	14 0.9 15
L & M 100	100MM; FILTER	14 1.0 13
LARK	KING SIZE; FILTER	14 0.9 13
NEWPORT RED	KING SIZE; FILTER	14 1.0 15
SARATOGA 120	120MM; FILTER; (HARD PACK)	14 0.9 13
SARATOGA 120	120MM; FILTER; MENTHOL; (HARD PACK)	14 0.9 13
ST. MORITZ 100	100MM; FILTER	14 1.1 13
ST. MORITZ 100	100MM; FILTER; MENTHOL	14 1.1 13
VICEROY SUPER LONG 100	100MM; FILTER	14 0.9 16
VIRGINIA SLIMS 100	100MM; FILTER	14 0.9 12
VIRGINIA SLIMS 100	100MM; FILTER; MENTHOL	14 0.9 13
BENSON & HEDGES	KING SIZE; FILTER; (HARD PACK)	15 1.1 11
KENT 100	100MM; FILTER; MENTHOL	15 1.2 14
LARK 100	100MM; FILTER	15 1.0 15
MONTCLAIR	KING SIZE; FILTER; MENTHOL	15 1.0 15
PALL MALL 100	100MM; FILTER	15 1.1 15
RALEIGH	KING SIZE; FILTER	15 0.9 16
RICHLAND	KING SIZE; FILTER; MENTHOL	15 1.0 13
ALPINE	KING SIZE; FILTER; MENTHOL	16 0.9 14
BENSON & HEDGES 100	100MM; FILTER; (HARD PACK)	16 1.0 15
BENSON & HEDGES 100	100MM; FILTER; MENTHOL; (HARD PACK)	16 1.0 15
BENSON & HEDGES 100	100MM; FILTER	16 1.0 15
BENSON & HEDGES 100	100MM; FILTER; MENTHOL	16 1.0 15
CAMEL	KING SIZE; FILTER; (HARD PACK)	16 1.1 15
CAMEL	KING SIZE; FILTER	16 1.1 14
KOOL	KING SIZE; FIL; MENTHOL; (HARD PACK)	16 1.1 15
KOOL	KING SIZE; FILTER; MENTHOL	16 1.0 14
MARLBORO	KING SIZE; FILTER (HARD PACK)	16 1.0 14
MARLBORO	KING SIZE; FILTER	16 1.0 15
MARLBORO	KING SIZE; FILTER; MENTHOL	16 1.0 14
MARLBORO 100	100MM; FILTER; (HARD PACK)	16 1.0 14
MARLBORO 100	100MM; FILTER	16 1.0 15
MORE 120	12UMM; FILTER; MENTHOL	TO T.T T.
NEWPORT	KING SIZE; FIL; MENTHOL; (HARD PACK)	16 1.1 15
PICAYUNE	REG SIZE; NON-FILTER	16 1.0 12
RALEIGH 100	100MM; FILTER	16 1.0 17
RICHLAND	KING SIZE; FILTER	16 1.1 13
SALEM	KING SIZE; FILTER; MENTHOL	16 1.1 18

^{1 &}quot;Dar" = milligrams total particulate matter less micotine and water per cigarette.
2 Nicotine total alkaloids reported in milligrams per cigarette.
3 Carton Monocide reported in milligrams per cigarette.
4 Indicates "tar" below 0.5 mg.; micotine below 0.05 mg. or carbon monocide below 0.5 mg. per cigarette.
4 See statement in text concerning Rool Ultra brands.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD

linches	wing Order of Tax)		••	90
BRAND	TYPE	1.	발	8 €
27.3.200	1111	TAR 1	NJCOTINÈ	MONOXIDE CARBON
,		. ₹	20	2₫.
SALEM 100	100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER 100MM; FILTER; (HARD PACK) 120MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK)	16	1 2	16
VICEROY	KING SIZE: FILTER	16	7.2	16
WINSTON	KING SIZE: FILTER: (HARD DACK)	16	1 1	3 A
WINSTON	KING SIZE: FILTER	16	3 3	15
WINSTON INTERNATIONAL 100	100MM: FILTER: (HARD PACK)	16	3 7	1.0
MORE 120	120MM: FILTER	17	1 2	3U T.4
NEWPORT	KING SIZE: FILTER: MENTHOL	17	1 2	17
OLD GOLD FILTER	KING SIZE: FILTER	17	1.2	10
PALL MALL	KING SIZE: FILTER	17	1.3	10
PHILIP MORRIS INTERNATIONAL	100MM. FILTED (HADD DACK)	17	1 1	10
PHILIP MORRIS INTERNATIONAL	100MM; FILTER; MENTHOL; (HARD PACK)	17	T • T	10
TALL 120	120MM· FILTER· MENTHOL	17	1 2	10
WINSTON 100	100MM· FILTER	17	1 2	1/
HALF & HALF	KING SIZE - FILTER	10	1.2	10
MAX 120	120MM · FILTER	10	1.3	17
CHESTERFIELD	REG SIZE: NON-FILTER	10	1 7	11
MAX 120	120MM· FILTER· MENTHOL	10	1.2	11
NEWPORT 100	100MM· FILTER· MENTHOL	10	1.5	7/
SPRING 100	100MM: FILTER: MENTHOL	10	1 1	16
KOOL	REG SIZE: NON-FILTER: MENTHOL	20	1 2	1.4
OLD GOLD FILTER 100	100MM: FILTER	20	1 5	20
TALL 120	120MM: FILTER	20	1 5	19
CAMEL	REG SIZE: NON-FILTER	21	1 4	13
PHILIP MORRIS	REG SIZE: NON-FILTER	21	1.2	12
CHESTERFIELD	KING SIZE: NON-FILTER	22	1.5	13
ENGLISH OVALS	REG SIZE: NON-FILTER: (HARD PACK)	23	1.8	11
LUCKY STRIKE	REG SIZE: NON-FILTER	23	1.4	16
PALL MALL	KING SIZE: NON-FILTER	23	1.3	15
HERBERT TAREYTON	KING SIZE: NON-FILTER	24	1.5	16
PLAYERS	REG SIZE: NON-FILTER: (HARD PACK)	25	1.9	15
RALEIGH	KING SIZE: NON-FILTER	25	1.4	16
OLD GOLD STRAIGHT	KING SIZE; NON-FILTER	26	1.6	17
PHILIP MORRIS COMMANDER	KING SIZE; NON-FILTER	26	1.6	14
BULL DURHAM	KING SIZE; FILTER	28	1.8	23
ENGLISH OVALS	100MM; FILTER (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK) 120MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER 120MM; FILTER REG SIZE; NON-FILTER 120MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL REG SIZE; NON-FILTER; MENTHOL 100MM; FILTER REG SIZE; NON-FILTER KING SIZE; NON-FILTER	28	2.1	14

[&]quot;Ter" - milligrams total particulate matter less nicotine and water per cigarette. Micotine total alkaloids reported in milligrams per cigarette. Carbon Mcnocide reported in milligrams per cigarette. Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per cigarette.

* See statement in text concerning Kool Ultra brands.

BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD							
	using Order of Micotine)		e.	_ X			
BRAND	TYPE	-	Ē	8 ×			
NAME		TAR 1	исотие	CARBON MONOXIDE			
	· ·			-			
CAMBRIDGE	KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK)	*	*				
CARLTON *	KING SIZE; FILTER; (HARD PACK)	*	*				
CARLTON 100	100MM; FILTER; MENTHOL; (HARD PACK)	*	*				
NOW	KING SIZE; FILTER; (HARD PACK)	*	*	*			
BENSON & HEDGES	REG SIZE: FILTER: (HARD PACK)	1	0.1	2			
CAMBRIDGE	KING SIZE: FILTER		0.1	ī			
CARLTON	KING SIZE; FILTER		0.1				
CARLTON	KING SIZE: FILTER: MENTHOL		0.1				
CARLTON 100	100MM; FILTER; (HARD PACK)		0.1				
KOOL ULTRA**	KING SIZE; FILTER: MENTHOL		0.1				
NOW	KING SIZE; FILTER	3	0.1	2			
NOW	KING SIZE; FILTER; MENTHOL 100MM; FILTER; (HARD PACK)	7	Λ 1	٦.			
NOW 100	100MM; FILTER; (HARD PACK)	*	0.1	*			
NOW 100	100MM; FILTER; MENTHOL	2	0.2	1			
ICEBERG 100	100MM; FILTER; MENTHOL	4	0.3	4			
KENT III	100MM; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER	3	0.3	2			
NOW 100	KING SIZE; FILTER; (HARD PACK) REG SIZE; FILTER; (HARD PACK) KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER	3	0.3	2			
TRIUMPH	KING SIZE; FILTER	3	0.3	3			
TRIUMPH	KING SIZE; FILTER KING SIZE; FILTER; MENTHOL	3	0.3 0.3 0.3 0.4	2			
BENSON & HEDGES ULTRA LIGHT	KING SIZE; FILTER; MENTHOL 100MM; FILTER; (HARD PACK)	5	0.4	5			
BENSON & HEDGES ULTRA LIGHT	TOUMM; FILTER; MENTHOL; (HARD PACK)	5	U.4	5			
CAMBRIDGE 100	100mm; FILTER	5	0.4	5			
CARLTON 100	100MM; FILTER		0.4	6			
CARLTON 100	100mm; FILTER; MENTHOL		0.4	6			
DORAL II	KING SIZE; FILTER		0.4	3			
DORAL II	100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER		0.4				
DORAL II KENT III 100 KOOL ULTRA 100**	100MM; FILTER	4	0.4	5			
KOOL ULTRA 100 **	100MM; FILTER; MENTHOL KING SIZE: FILTER	4	0.4	3			
MERIT ULTRA LIGHTS	KING SIZE; FILTER	5	0.4	5 5			
MERIT ULTRA LIGHTS	KING SIZE; FILTER; MENTHOL	5	0.4	5			
MERIT ULTRA LIGHTS 100	100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL		0.4				
MERIT ULTRA LIGHTS 100	100MM; FILTER; MENTHOL	4	0.4	4			
SALEM ULTRA	KING SIZE; FILTER; MENTHOL	5	0.4	6			
SALEM ULTRA 100	100MM; FILTER; MENTHOL	5	0.4	6			
TAREYTON LIGHTS	KING SIZE; FILTER	4	0.4	4			
TRIUMPH 100	100MM; FILTER		0.4				
TRIUMPH 100	100MM; FILTER; MENTHOL		0.4				
TRUE	KING SIZE; FILTER		0.4				
TRUE	KING SIZE; FILTER; MENTHOL		0.4				
VANTAGE ULTRA LIGHTS	KING SIZE; FILTER		0.4				
VANTAGE ULTRA LIGHTS	KING SIZE; FILTER; MENTHOL		0.4	.6			
VANTAGE ULTRA LIGHTS 100	100MM; FILTER; MENTHOL		0.4	7			
WINSTON ULTRA LIGHTS	KING SIZE; FILTER	5	0.4	6			

[&]quot;Ter" - milligrams total particulate matter less nicotine and water per digarette.
Nicotine total alkaloids reported in milligrams per digarette.
Carbon Monocide reported in milligrams per digarette.
Indicates "tar" below 0.5 mg.; micotine below 0.05 mg. or carbon monocide below 0.5 mg. per digarette.
** See statement in text concerning Mool Ultra brands.

BRANDS OF DOMEST	IC CIGARETTES TESTED BY FTC METHOD maing Order of Micotine) TYPE	٠	•	₩ 5
BRAND	TYPE	_	- MICOTINE 1	CARBON
NAME		. \$	5	200
Bbicum	KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL 120MM; FILTER; MENTHOL 120MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL; (HARD PACK)	. =	_ ₹	4
BRIGHT 100	AING SIZE; FILTER; MENTHOL	6	0.5	7
MERIT	KING CITE PITTED	6	0.5	7
MERIT	KING SIZE, FILTED, MENTUCT	0	0.5	7.0
VANTAGE ULTRA LIGHTS 100	100MM: FILTER	O 5	0.5	ΤÜ
WINSTON ULTRA LIGHTS 100	100MM: FILTER	5	.n s	7
BELAIR 100	100MM: FILTER: MENTHOL	8	0.5	7
CARLTON 120	120MM: FILTER	7	0.6	É
CARLTON 120	120MM; FILTER: MENTHOL	7	0.6	5
MORE LIGHTS 100	100MM; FILTER; (HARD PACK)	8	0.6	8
MORE LIGHTS 100	100MM; FILTER; MENTHOL: (HARD PACK)	8	0.6	Ř
PALL MALL EXTRA LIGHT	KING SIZE; FILTER	7	0.6	7
PARLIAMENT LIGHTS	KING SIZE; FILTER; (HARD PACK)	9	0.6	9
PARLIAMENT LIGHTS	KING SIZE; FILTER	9	0.6	9
TAREYTON LONG LIGHTS 100	100MM; FILTER	7	0.6	7
TRUE 100	100MM; FILTER	8_	0.6	8
TRUE 100	100MM; FILTER; MENTHOL	7	0.6	8
VIRGINIA SLIMS LIGHTS 100	100MM; FILTER; (HARD PACK)	8	0.6	7
VIRGINIA SLIMS LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER; MENTHOL 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL	8	0.6	8
BENCON C HEDGES FIGHES 100	KING SIZE; FILTER; MENTHOL	10	0.7	9
BENCON & REDGES FIGHTS 100	100M, FILTER	10	0.7	11
CYMEL LICHMS	YING CITE, BILDED, (HDD DICK)	ΤĎ	0.7	10
CAMEL LIGHTS	KING SIZE; FILTER; (MARD PACK)	9	0.7	8
CENTURY LIGHTS	KING SIZE; FILIER	0	0.7	10
KENT GOLDEN LIGHTS	KING SIZE: FILTER: MENTHOL	9	0.7	TT
KOOL LIGHTS	KING SIZE: FILTER: MENTHOL	0	0.7	٥
KOOL MILDS	KING SIZE: FILTER: MENTHOL.	וחו	0.7	<i>פ</i>
KOOL LIGHTS 100	100MM: FILTER: MENTHOL	- 0	0.7	
L & M LIGHTS	KING SIZE: FILTER	Ŕ	0.7	7
MARLBORO LIGHTS	KING SIZE: FILTER: (HARD PACK)	10	0.7	าว
MARLBORO LIGHTS	KING SIZE; FILTER	10	0.7	11
MARLBORO LIGHTS 100	100MM; FILTER	10	0.7	11
MERIT 100	100MM; FILTER	10	0.7	12
MERIT 100	100MM; FILTER; MENTHOL	9	0.7	11
NEWPORT LIGHTS	KING SIZE; FIL; MENTHOL; (HARD PACK)	9	0.7	9
NEWPORT LIGHTS	KING SIZE; FILTER; MENTHOL	8	0.7	8
1 12 2.0 200	Tooler, IIIII	9	0.7	. J
RALEIGH LIGHTS 100	100MM; FILTER		0.7	
SALEM LIGHTS	KING SIZE; FILTER; MENTHOL		0.7	
SALEM SLIM LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)		0.7	
SALEM LIGHTS 100	100MM; FILTER; MENTHOL		0.7	
VANTAGE	KING SIZE; FILTER	10	0.7	12

[&]quot;Tar" - milligrams total particulate matter less nicotine end water per cigarette. Micotine total alkaloids reported in milligrams per cigarette. Carbon Monocide reported in milligrams per cigarette. Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monocide

below 0.5 mg. per diguratie. See statement in text concerning Ecol Ultra brands.

BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD (Increasing Order of Micotine) BRAND TYPE					**
	BRAND	TYPE	 .	NICOTINE 2	RECON
	NAME		1	WIC	ប ន្ត្
	VANTAGE	KING SIZE; FILTER; MENTHOL 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER 100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER 100MM; FILTER 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER	9	0.7	12
	VANTAGE -100	100MM; FILTER	9	0.7	11
	VANTAGE 100	100MM; FILTER; MENTHOL	9	0.7	11
	VICEROY RICH LIGHTS	KING SIZE; FILTER	10	0.7	10
	WINSTON LIGHTS	KING SIZE; FILTER	. 8	0.7	9
	CAMEL LIGHTS 100	100MM; FILTER	11	0.8	14
	KENT GOLDEN LIGHTS	KING SIZE; FILTER	9	0.8	9
	KENT GOLDEN LIGHTS 100	100MM; FILTER	9	0.8	10
	KENT GOLDEN LIGHTS 100	100MM; FILTER; MENTHOL	. 9	0.8	. 9
	KOOL MILDS 100	100MM; FILTER; MENTHOL	1 T	0.8	15
	L & M LIGHTS 100	100MM; FILTER	. 5	0.8	30
	LUCKY STRIKE	KING SIZE; FILTER; (HARD PACK)	11	0.0	10
	LUCKY STRIKE	KING SIZE; FIETER	10	0.0	10
	MULTIFILTER	VINC CIPE. FILTER MENTUAL	12	0.0	10
	MULTIFILIER	NING SIZE; FILIEN; MENTHOL	30	0.0	10
	OLD COLD LICHTS 100	VING CITE FILTER	Ť	กิล	10
	DARITAMENT LIGHTS 100	100MM· FILTER	12	0.8	11
	DIAVEDS	KING SIZE: FILTER: (HARD PACK)	12	0.8	11
	PI.AVERS	KING SIZE: FILTER: MENTHOL	12	0.8	īī
	RALEIGH LIGHTS	KING SIZE: FILTER	10	0.8	10
	SATIN 100	100MM: FILTER: MENTHOL	9	8.0	10
	VICEROY RICH LIGHTS 100	100MM; FILTER	11	0.8	11
	WINSTON LIGHTS 100	100MM; FILTER	11	0.8	13
	ALPINE	KING SIZE; FILTER; MENTHOL	16	0.9	14
	CENTURY	KING SIZE; FILTER	14	0.9	16
	DORADO	KING SIZE; FILTER	13	0.9	12
	EVE LIGHTS 100	100MM; FILTER	12	0.9	9
	EVE LIGHTS 100	100MM; FILTER; MENTHOL	12	0.9	9
	GALAXY	KING SIZE; FILTER	14	0.9	13
	KENT	KING SIZE; FILTER; (HARD PACK)	12	0.9	TT
	KENT	KING SIZE; FILTER	12	0.9	10
	KOOL SUPER LONGS 100	100MM; FILTER; MENTHOL	14	0.9	13 T2
	L & M	KING SIZE; FILTER; (MARD PACK)	73	0.5	13
	L & M	KING SIZE; FILTER	13	0.5	13
	LAKK	KING SIZE; FILDER	13	0.9	10
	LARK LIGHTS	KING SIZE; FILTER 100MM; FILTER	11	0.9	10
	_ •	KING SIZE; FILTER; (HARD PACK)	12	0.9	13
	NEWPORT RED PLAYERS 100	100MM; FILTER; (HARD PACK)		0.9	
	PLAYERS 100 PLAYERS 100	100MM; FILTER; MENTHOL; (HARD PACK)			
	RALEIGH	KING SIZE; FILTER	15	0.9	16
	SARATOGA 120	120MM; FILTER; (HARD PACK)		0.9	
	GUINITON 160	anderi contact forms assess			

 [&]quot;Tar" - milligrems total particulate matter less nicotine and water per cigarette.
 Ricotine total alkaloids reported in milligrems per cigarette.
 Carbon Nonocide reported in milligrems per cigarette.
 Indicates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monocide below 0.5 mg. per cigarette.
 See statement in text concerning-Rool Ultra brands.

### BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD (Implanting Order of Microtine) ### Property					
BRAND	TYPE	T SE			
NAME		સ છે 3ેફ્રે			
•					
SARATOGA 120	120MM; FILTER; MENTHOL; (HARD PACK)	14 0.9 13			
SATIN 100	100MM; FILTER	10 0.9 11			
SILVA THINS 100	100MM; FILTER	11 0.9 9			
SILVA THINS 100	100MM; FILTER; MENTHOL	11 0.9 8			
TAREYTON	KING SIZE; FILTER	13 0.9 14			
TAREYTON 100	100MM; FILTER	13 0.9 15			
VICEROY	KING SIZE; FILTER	16 0.9 16			
VICEROY SUPER LONG 100	TOUMM; FILTER	14 0.9 16			
VIRGINIA SLIMS 100	TOUMM; FILTER	14 0.9 12			
VIRGINIA SLIMS 100	100MM; FILTER; MENTHUL	14 0.9 13			
BENSON & HEDGES 100	100MM; FILTER; (HARD PACK)	16 1.0 15			
BENSON & HEDGES 100	100MM; FILTER; MENTHOL; (HARD PACK)	16 1.0 12			
BENSON & HEDGES 100	100MM; FILTER	10 1.0 15			
BENSON & REDGES 100	100MM; FILTER; MENTHUL	10 1.0 12			
KENT 100	TOOMM; FILTER	13 1.0 11			
KOOL 100	NING SIZE; FILIEK; MENINGL	10 1.0 14			
1 & M 100	100mm; Filian	15 1 0 15			
LARK 100	100mm, FILTER	13 1.0 13			
MARI BORO	KING STOR. PILORD (HADD DACK)	16 1 0 14			
MARLBORO MARI PORO	KING SIZE: FILTER	16 1 0 15			
MARIBORO MARIBORO	KING SIZE: FILTER: MENTHOL	16 1 0 14			
MARIBORO INN	100MM: FILTER: (HARD PACK)	16 1.0 14			
MARIBORO 100	100MM: FILTER	16 1.0 15			
MONTCIATE	KING SIZE: FILTER: MENTHOL	15 1.0 15			
NEMBURALK NEMBURALK	KING SIZE: FILTER	14 1.0 15			
DALL MALL LIGHT 100	100MM: FILTER: MENTHOL	12 1.0 11			
DICAVINE	REG SIZE: NON-FILTER	16 1.0 12			
PALEIGH 100	100MM: FILTER	16 1.0 17			
RICHLAND	KING SIZE: FILTER: MENTHOL	15 1.0 13			
BENSON & HEDGES	KING SIZE: FILTER: (HARD PACK)	15 1.1 11			
CAMEL	KING SIZE; FILTER; (HARD PACK)	16 1.1 15			
CAMEL	KING SIZE; FILTER	16 1.1 14			
EVE LIGHTS 120	120MM; FILTER; (HARD PACK)	14 1.1 11			
EVE LIGHTS 120	120MM; FILTER; MENTHOL; (HARD PACK)	14 1.1 11			
KOOL	KING SIZE; FIL; MENTHOL; (HARD PACK)	16 1.1 15			
NEWPORT	KING SIZE; FIL; MENTHOL; (HARD PACK)	16 1.1 15			
PALL MALL	KING SIZE; FILTER	17 1.1 16			
PALL MALL 100	IUUMM; riliink	TO TOT TO			
PHILIP MORRIS INTERNATIONAL	100mm; FILTER (HARD PACK)	17 1.1 16			
PHILIP MORRIS INTERNATIONAL	100MM; FILTER; MENTHOL; (HARD PACK)	17 1.1 16			
RICHLAND	KING SIZE; FILTER	16 1.1 13			
SALEM	KING SIZE; FILTER; MENTHOL	16 1.1 18			

^{1 &}quot;Ter" - milligrams total particulate matter less micotine and water per digarette.
2 Nicotine total alkaloids reported in milligrams per digarette.
3 Carbon Monocide reported in milligrams per digarette.
4 Indicates "ter" below 0.5 mg.; micotine below 0.05 mg. or carbon monocide

below 0.5 mg. per cigaretts.
** See statement in text concerning Mool Ultra brands.

19 1.5 20

20 1.5 20

20 1.5 19

26 1.6 17

28 1.8 23

23 1.8 11

25 1.9 15

28 2.1 14

(Increasing Order of Nicotine)					
BRAND NAME	TYPE	TAR 1	NT COTTINE	CARBON MONOXTDE	
SPRING 100 ST. MORITZ 100	100MM; FILTER; MENTHOL	19	1.1	16	
ST. MORITZ 100	100MM; FILTER	14	1.1	13	
ST. MORITZ 100	100MM; FILTER; MENTHOL	14	1.1	13	
WINSTON	100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER	16	1.1	14	
WINSTON	KING SIZE; FILTER	16	1.1	15	
WINSTON INTERNATIONAL 100	100MM; FILTER; (HARD PACK)	16	1.1	14	
CHESTERFIELD	REG SIZE; NON-FILTER	19	1.2	11	
KENT 100	KING SIZE; FILTER 100MM; FILTER; (HARD PACK) REG SIZE; NON-FILTER 100MM; FILTER; MENTHOL	15	1.2	14	
KOOL	REG SIZE; NON-FILTER; MENTHOL	20	1.2	14	
MORE 120	120MM; FILTER	17	1.2	20	
MORE 120	120MM; FILTER; MENTHOL	16	1.2	19	
NEWPORT	KING SIZE; FILTER; MENTHOL	17	1.2	17	
PHILIP MORRIS	REG SIZE; NON-FILTER	21	1.2	12	
SALEM 100	100MM; FILTER; MENTHOL	16	1.2	15	
WINSTON 100	100MM; FILTER	17	1.2	16	
HALF & HALF	KING SIZE; FILTER	18	1.3	17	
OLD GOLD FILTER	KING SIZE; FILTER	17	1.3	18	
PALL MALL	KING SIZE; NON-FILTER	23	1.3	15	
TALL 120	120MM; FILTER; MENTHOL	17	1.3	17	
CAMEL	REG SIZE; NON-FILTER	21	1.4	13	
LUCKY STRIKE	REG SIZE; NON-FILTER	23	1.4	16	
MAX 120	120MM; FILTER	18	1.4	17	
MAX 120	120MM; FILTER; MENTHOL	19	1.4	17	
RALEIGH	100MM; FILTER; (HARD PACK) REG SIZE; NON-FILTER 100MM; FILTER; MENTHOL REG SIZE; NON-FILTER; MENTHOL 120MM; FILTER 120MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL REG SIZE; NON-FILTER 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; NON-FILTER 120MM; FILTER; MENTHOL REG SIZE; NON-FILTER 120MM; FILTER 120MM; FILTER 120MM; FILTER KING SIZE; NON-FILTER 120MM; FILTER KING SIZE; NON-FILTER	25	1.4	16	
CHESTERFIELD	KING SIZE; NON-FILTER	22	1.5	13	
HERBERT TAREYTON	KING SIZE: NON-FILTER	24	1.5		

100MM; FILTER; MENTHOL

KING SIZE; NON-FILTER

KING SIZE: NON-FILTER

REG SIZE; NON-FILTER; (HARD PACK)

REG SIZE; NON-FILTER; (HARD PACK)

KING SIZE; NON-FILTER; (HARD PACK)

KING SIZE; FILTER

100MM; FILTER

120MM; FILTER

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD

** See statement in text concerning Wool Ultra brands.

NEWPORT 100

BULL DURHAM

ENGLISH OVALS

ENGLISH OVALS

TALL 120

PLAYERS

OLD GOLD FILTER 100

PHILIP MORRIS COMMANDER

OLD GOLD STRAIGHT

^{1 &}quot;Tar" - milligrams total particulate matter less nicotine and water per digaretts.
2 Nicotine total alkaloids reported in milligrams per digaretts.

³ Carbon Monomide reported in milligrams per cigarette.
* Indibates "tar" below 0.5 mg.; nicotine below 0.05 mg. or carbon monomide below 0.5 mg. per cigarette.

DANIES OF DOUBLE CLUBERTS OF TWO HUNDRED SEVEN						
BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD						
	asing Order of Carbon Monoxide)			3.5		
BRAND	TYPE	•	5	22 X		
NAME		TAR !	NICOTINE	CARBON		
	KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; (HARD PACK) 100MM; FILTER; (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL REG SIZE; FILTER; MENTHOL REG SIZE; FILTER; (HARD PACK) KING SIZE; FILTER LOOMM; FILTER; MENTHOL KING SIZE; FILTER	.4.	,			
CAMBRIDGE	KING SIZE; FILTER; (HARD PACK)	-M	A	×		
CARLTON	KING SIZE; FILTER; (HARD PACK)	*	*	*		
CARLTON 100	100MM; FILTER; (HARD PACK)	1	0.1	*		
CARLTON 100	100MM; FILTER; MENTHOL; (HARD PACK)	*	*	*		
NOW	KING SIZE; FILTER; (HARD PACK)	*	*	*		
NOW 100	100MM; FILTER; (HARD PACK)	*	.0.1	*		
CAMBRIDGE	KING SIZE; FILTER	1	0.1	1		
CARLTON	KING SIZE; FILTER; MENTHOL	1	0.1	1		
KOOL ULTRA**	KING SIZE: FILTER; MENTHOL	2	0.1	1		
WOM	KING SIZE: FILTER: MENTHOL	1	0.1	1		
NOW 100	100MM: FILTER: MENTHOL	2	0.2	1		
BENSON & HEDGES	REG SIZE: FILTER: (HARD PACK)	ī	0.1	2		
CARLTON	KING SIZE: FILTER	ī	0.1	2		
KENT III	KING SIZE: FILTER	3	0.3	2		
NUM	KING SIZE: FILTER	ĭ	กำ	2		
NOW 100	100MM· FILTER	2	0.3	วิ		
TO TIMOU	KING SIZE: FILTED: MENTUCL	3	0.3	2		
DODAL TT	KING SIZE, FILTER, MENINGE	A	0.3	2		
DORAL II	VINC CIZE: PITTED: MENTUCT	4	0.4	3		
VOOL III MBX 100 kk	ING SIZE; FISIEK; MENITOD	- A	0.4	3		
MDIIMDH	KING CIPP. FILTED	3	0.4	3		
INIUMEN	JOUNN' BILLED' MENLEDOL	A	0.3	A		
ACDERG 100	100MM; FIBIER; MENINOL	** A	0.3	** A		
MERIT ULTRA LIGHTS 100	TOUMM; FILIER; MENITOL	4	0.4	4		
TAKEYTON LIGHTS	AING SIZE; FILTER	4	0.4	4		
TRIUMPH 100	TOUMM; FILTER; MENTROL	4	0.4	4		
TRUE	100MM; FILTER; (HARD PACK)	5	0.4	₩		
BENSON & HEDGES ULTRA LIGHT	100MM; FILTER; (HARD PACK)	5	0.4	5		
BENSON & HEDGES ULTRA LIGHT	100MM; FILTER; MENTHOL; (HARD PACK)	5	U.4	5		
CAMBRIDGE 100	100MM; FILTER	5	0.4	5		
CARLTON 120	120MM; FILTER	7	0.6	5		
CARLTON 120	120MM; FILTER; MENTHOL	7	0.6	5		
KENT III 100	100MM; FILTER	4	0.4	5		
MERIT ULTRA LIGHTS	100MM; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER 120MM; FILTER 120MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER; MENTHOL	5	0.4	5		
MERIT ULTRA LIGHTS	KING SIZE; FILTER; MENTHOL	5	0.4	5		
TRIUMPH 100	100MM; FILTER	4	0.4	5		
TRUE	KING SIZE; FILTER; MENTHOL	5	0.4	5		
CARLTON 100	100MM; FILTER	5	0.4	6		
CARLTON 100	100MM; FILTER; MENTHOL		0.4			
L & M LIGHTS 100	100MM; FILTER		0.8			
MERIT ULTRA LIGHTS 100	100MM; FILTER		0.4			
SALEM ULTRA	KING SIZE; FILTER; MENTHOL		0.4			
SALEM ULTRA 100	100MM; FILTER; MENTHOL		0.4			
VANTAGE ULTRA LIGHTS	KING SIZE; FILTER		0.4			
THISTON DMILUS MANAGE		•		-		

^{1 &}quot;Ter" - milligrams total particulate matter less nicotine and water per digarette.
2 Ricotine total alkaloids reported in milligrams per digarette.
3 Carhon Monoxide reported in milligrams per digarette.
4 Indicates "ter" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoxide below 0.5 mg. per digarette.
4 See statement in text concerning Kool Ultra brands.

TAR NICOTINE AND	CO CONTENT	OF TWO HUN	DRED SEVEN					
BRANDS OF DOMESTI			FTC METHOD					
(Increasing Order of Carbon Monoxide)								
TYPE								

(Increasing Order of Carbon Monoxide)					
BRAND NAME	TYPE	TAR 1	NECOTINE	CARBON HONOXIDE	
VANTAGE ULTRA LIGHTS VANTAGE ULTRA LIGHTS 100	KING SIZE; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER; (HARD PACK) 100MM; FILTER KING SIZE; FILTER	5			
WINCOON HIMDA LICHTS TOU	TOUMM; PILITER	5	0.5	6	
WINSTON OLIVA LIGHTS	AING SIZE; FILTER	ລ	0.4	6	
DDICUM	TOUMM; FIGIER; MENITUD KING CITE: PILMED: MENUTUDI	0	0.6	7 7	
WINSTON ULTRA LIGHTS BELAIR 100 BRIGHT BRIGHT 100	ANAM. ETTEE. MENTUAT	2	0.5	7	
L & M LIGHTS	KING SIZE: FILTER	B	0.5	7	
PALL MALL EXTRA LIGHT	KING SIZE: FILTER	7	0.7	Ź	
TAREYTON LONG LIGHTS 100	100MM: FILTER	7	0.6	7	
VANTAGE ULTRA LIGHTS 100	100MM: FILTER: MENTHOL	5	0.4	7	
VIRGINIA SLIMS LIGHTS 100	100MM: FILTER: (HARD PACK)	ä	0.6	7	
WINSTON ULTRA LIGHTS 100	100MM: FILTER	5	0.5	7	
CAMEL LIGHTS	100MM; FILTER; MENTHOL 100MM; FILTER; (HARD PACK) 100MM; FILTER KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL 100MM; FILTER; (HARD PACK)	š	0.7	8	
KENT GOLDEN LIGHTS	KING SIZE; FILTER; MENTHOL	8	0.7	8	
MORE LIGHTS 100	100MM; FILTER; (HARD PACK)	8	0.6	8	
MORE LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)	8		8	
NEWPORT LIGHTS	KING SIZE; FILTER; MENTHOL	₿	0.7	8	
CAMEL LIGHTS KENT GOLDEN LIGHTS MORE LIGHTS 100 MORE LIGHTS 100 NEWPORT LIGHTS SILVA THINS 100 TRUE 100 TRUE 100	100MM; FILTER; MENTHOL	11	0.9	8	
TRUE 100	100MM; FILTER		0.6	8	
TRUE 100	100MM; FILTER 100MM; FILTER; MENTHOL 100MM: FILTER: MENTHOL: (HARD PACK)		0.6	8	
VIRGINIA SLIMS LIGHTS 100	100MM; FILTER; MENTHOL; (HARD PACK)	8	0.6	8	
BELAIR	KING SIZE; FILTER; MENTHOL	10	0.7	9	
EVE LIGHTS 100	100MM; FILTER	12	0.9	9	
EVE LIGHTS 100	100MM; FILTER; MENTHOL	12	0.9	9	
KENT GOLDEN LIGHTS	KING SIZE; FILTER	9	0.8	9	
KENT GOLDEN LIGHTS 100	100MM; FILTER; MENTHOL	9	0.8	9	
KOOL LIGHTS	KING SIZE; FILTER; MENTHOL	g	0.7	9	
KOOL LIGHTS 100	TOUMM; FILTER; MENTHUL	9	0./	9	
MERIT	NING SIZE; FILTER	0	0.5	9 9	
NEWPORT LIGHTS	NING BIZE; FIL; MENINOL; (DAND PACK)	7	0.7	9	
DADITAMENT LICHTS	KING SIZE; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER; (HARD PACK) 100MM; FILTER KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER 100MM; FILTER	٥	0.7	9	
DADITAMENT LICHTS	KING SIZE, FILIER, (MARO FACK)	٩	0.6	9	
PARDIAMENT DIGHTS	KING SIZE; FILTER 100MM; FILTER; MENTHOL; (HARD PACK) 100MM; FILTER; MENTHOL; KING SIZE; FILTER 100MM: FILTER: MENTHOL	. 9	n 7	9	
CALEM CLIM LIGHTS 100	100MM. FILTER. MENTHOL. (HARD DACK)	ิ้ฐ	ח ל	ģ	
SILVA THING 100	100MM: FILTER	11	0.9	ģ	
WINSTON LICHTS	100mm; FILTER KING SIZE; FILTER 100mm; FILTER; MENTHOL KING SIZE: FILTER	8	0.7	9	
RENSON & HEDGES LIGHTS 100	100mm: FILTER: MENTHOL	10	0.7	10	
CAMEL LIGHTS	KING SIZE; FILTER	8	0.7	10	
KENT	KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER	12	0.9	10	
KENT GOLDEN LIGHTS 100	100MM; FILTER	9	0.8	10	
LUCKY STRIKE LUCKY STRIKE	KING SIZE: FILTER: (HARD PACK) KING SIZE: FILTER	11	0.8	10	
LUCKY STRIKE	KING SIZE; FILTER	10	0.8	10	

[&]quot;Tar" - milligrams total particulate matter less micotine and water per digarette. Nicotine total alkaloids reported in milligrams per digarette. Carbon Monopide reported in milligrams per digarette. Indicates "tar" below 0.5 mg.; micotine below 0.05 mg. Or carbon monopide below 0.5 mg. per digarette.

See statement in text concerning Kool Ultra brands.

BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD							
(Increasing Order of Carbon Monozide)							
BRAND	TYPE	•	Ē	Z X			
NAME		TAR 1	NTCOTINE	CARBON			
LUCKY STRIKE 100	100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; FILTER; (HARD PACK)	11	0.9	10			
MERIT	KING SIZE: FILTER: MENTHOL	-8	0.5	10			
MULTIFILTER	KING SIZE: FILTER	12	0.8	10			
MULTIFILTER	KING SIZE: FILTER: MENTHOL	12	0.8	10			
NEWPORT LIGHTS 100	100mm: FILTER: MENTHOL	10	0.8	10			
OLD GOLD LIGHTS	KING SIZE: FILTER	-š	0.8	10			
RALEIGH LIGHTS	KING SIZE: FILTER	10	0.8	10			
SATIN 100	100MM: FILTER: MENTHOL	Ğ	0.8	10			
VICEROY RICH LIGHTS	KING SIZE: FILTER	10	0.7	10			
BENSON & HEDGES	KING SIZE: FILTER: (HARD PACK)	15	1.1	11			
BENSON & HEDGES LIGHTS 100	100MM: FILTER	10	0.7	11			
CENTURY LIGHTS	KING SIZE: FILTER	Ĩ	0.7	11			
CHESTERFIELD	REG SIZE: NON-FILTER	19	1.2	īī			
ENGLISH OVALS	REG SIZE: NON-FILTER: (HARD PACK)	23	1.8	11			
EVE LIGHTS 120	120MM: FILTER: (HARD PACK)	14	1.1	11			
EVE LIGHTS 120	120MM: FILTER: MENTHOL: (HARD PACK)	14	1.1	11			
KENT	KING SIZE: FILTER: (HARD PACK)	12	0.9	11			
KENT 100	100MM; FILTER	13	1.0	11			
KOOL MILDS	KING SIZE; FILTER; MENTHOL	10	0.7	11			
MARLBORO LIGHTS	KING SIZE; FILTER; (HARD PACK) 100MM; FILTER KING SIZE; FILTER REG SIZE; NON-FILTER REG SIZE; NON-FILTER; (HARD PACK) 120MM; FILTER; (HARD PACK) 120MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER; (HARD PACK) 100MM; FILTER KING SIZE; FILTER; MENTHOL KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER 100MM; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL	10	0.7	11			
MARLBORO LIGHTS	KING SIZE; FILTER	10	0.7	11			
MARLBORO LIGHTS 100	100MM; FILTER •	10	0.7	11			
MERIT 100	100mm; FILTER; MENTHOL	9	0.7	11			
PALL MALL LIGHT 100	100MM; FILTER; MENTHOL	12	1.0	11			
PARLIAMENT LIGHTS 100	100MM; FILTER KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL	12	0.8	11			
PLAYERS	KING SIZE; FILTER; (HARD PACK)	12	0.8	11			
PLAYERS	KING SIZE; FILTER; MENTHOL	12	0.8	11			
PLAYERS 100	100MM; FILTER; MENTHOL; (HARD PACK)	13	0.9	11			
SALEM LIGHTS	KING SIZE; FILTER; MENTHOL	9	0.7	11			
SALEM LIGHTS 100	100MM; FILTER; MENTHOL	9	0.7	11			
SATIN 100	100MM; FILTER	10	0.9	11			
VANTAGE 100	100MM; FILTER	9	0.7	11			
VANTAGE 100	100MM; FILTER; MENTHOL	. 9	0.7	11			
VICEROY RICH LIGHTS 100	100MM; FILTER KING SIZE; FILTER; (HARD PACK) KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; FILTER; MENTHOL 100MM; FILTER; MENTHOL 100MM; FILTER 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER 100MM; FILTER; MENTHOL	11	0.8	11			
DORADO	KING SIZE; FILTER	13	0.9	12			
KOOL MILDS 100	100MM; FILTER; MENTHOL	11	0.8	12			
LARK LIGHTS	KING SIZE; FILTER		0.9				
MERIT 100	100MM; FILTER		0.7				
PHILIP MORRIS	REG SIZE; NON-FILTER		1.2				
PICAYUNE	REG SIZE; NON-FILTER		1.0				
PLAYERS 100	100MM; FILTER; (HARD PACK)		0.9				
VANTAGE	KING SIZE; FILTER		0.7				
VANTAGE	KING SIZE; FILTER; MENTHOL	3	U./	14			

[&]quot;Tur" - milligrams total particulate matter less nicotine and water per digarette. Ricotine total alkaloids reported in milligrams per digarette. Carbon Monoxide reported in milligrams per digarette. Indicates "tar" helow 0.5 mg.; nicotine helow 0.05 mg. or carbon monoxide helow 0.5 mg. per digarette. See statement in text concerning Kool Ultra brands.

MARLBORO 100

MONTCLAIR

16 1.0 15 15 1.0 15

^{1 &}quot;Tar" - milligrams total perticulate matter less nicotine and water per digarette.

² Ricotine total alkaloids reported in milligrams per digarette.

³ Carbon Monoscide reported in milligrams per digarette. * Indicates "ter" below 0.5 mg.; nicotine below 0.05 mg. or carbon monoscide below 0.5 mg. per cigarette.

See statement in text executing Kool Ultra brands.

TAR NICOTINE AND CO CONTENT OF TWO HUNDRED SEVEN BRANDS OF DOMESTIC CIGARETTES TESTED BY FTC METHOD					
	easing Order of Carbon Monoxide)		•	***	
_		_	差	₹2	
BRAND	TYPE	.¥.	Ę	2 X	
NAME		₹.	NICOTINE	CARBON MONOXIDE	
NEWPORT .	KING SIZE; FIL; MENTHOL; (HARD PACK) KING SIZE; FILTER KING SIZE; NON-FILTER 100MM; FILTER REG SIZE; NON-FILTER; (HARD PACK) 100MM; FILTER; MENTHOL 100MM; FILTER KING SIZE; FILTER KING SIZE; FILTER KING SIZE; NON-FILTER REG SIZE; NON-FILTER KING SIZE; FILTER 100MM; FILTER (HARD PACK) 100MM; FILTER; MENTHOL; (HARD PACK)	16	1.1	15	
NEWPORT RED	KING SIZE; FILTER	14	1.0	15	
PALL MALL	KING SIZE; NON-FILTER	23	1.3	15	
PALL MALL 100	100MM; FILTER	15	1.1	15	
PLAYERS	REG SIZE; NON-FILTER; (HARD PACK)	25	1.9	15	
SALEM 100	100MM; FILTER; MENTHOL	16	1.2	15	
TAREYTON 100	100MM; FILTER	13	0.9	15	
WINSTON	KING SIZE; FILTER	16	1.1	15	
CENTURY	KING SIZE: FILTER	14	0.9	16	
HERBERT TAREYTON	KING SIZE; NON-FILTER	24	1.5	16	
LUCKY STRIKE	REG SIZE; NON-FILTER	23	1.4	16	
PALL MALL	KING SIZE; FILTER	17	1.1	16	
PHILIP MORRIS INTERNATIONAL	100MM; FILTER (HARD PACK)	17	1.1	16	
PHILIP MORRIS INTERNATIONAL	100MM; FILTER; MENTHOL; (HARD PACK)	17	1.1	16	
RALEIGH	KING SIZE; NON-FILTER	25	1.4	16	
RALEIGH	KING SIZE; FILTER	15	0.9	16	
SPRING 100	100MM; FILTER; MENTHOL	19	1.1	16	
VICEROY	KING SIZE; FILTER	16	0.9	16	
VICEROY SUPER LONG 100	100MM; FILTER	14	0.9	16	
WINSTON 100	100MM; FILTER	17	1.2	16	
HALF & HALF	KING SIZE; FILTER	18	1.3	17	
MAX 120	120MM; FILTER	18	1.4	17	
MAX 120	120MM; FILTER; MENTHOL	19	1.4	17	
NEWPORT	KING SIZE; FILTER; MENTHOL	17	1.2	17	
OLD GOLD STRAIGHT	KING SIZE; NON-FILTER	26	1.6	17	
RALEIGH 100	100MM; FILTER	16	1.0	17	
TALL 120	120MM; FILTER; MENTHOL	17	1.3	17	
OLD GOLD FILTER	KING SIZE; FILTER	17	1.3	18	
SALEM	KING SIZE; FILTER; MENTHOL	16	1.1	18	
MORE 120	120MM; FILTER; MENTHOL	16	1.2	19	
TALL 120	120MM; FILTER	20	1.5	19	
MORE 120	120MM; FILTER	17	1.2	20	
NEWPORT 100	100MM; FILTER; MENTHOL	19	1.5	20	
OLD GOLD FILTER 100	100MM; FILTER	20	1.5	20	
BULL DURHAM	100MM; FILTER; MENTHOL; (HARD PACK) KING SIZE; NON-FILTER KING SIZE; FILTER 100MM; FILTER; MENTHOL KING SIZE; FILTER 100MM; FILTER 100MM; FILTER 120MM; FILTER 120MM; FILTER 120MM; FILTER; MENTHOL KING SIZE; FILTER; MENTHOL KING SIZE; NON-FILTER 120MM; FILTER 120MM; FILTER 120MM; FILTER; MENTHOL KING SIZE; FILTER 120MM; FILTER; MENTHOL 120MM; FILTER; MENTHOL 120MM; FILTER 120MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER 100MM; FILTER	28	1.8	23	

below 0.5 mg. per cigarette. See statement in best concerning Rool Ultra brands.

[&]quot;Ter" - milligrams total particulate matter less micotine and water per cigarette. Nicotine total alkaloids reported in milligrams per cigarette. Carbon Monoxide reported in milligrams per cigarette. Indicates "tar" below 0.5 mg.; micotine below 0.05 mg. or carbon monoxide